

PUBLICATIONS ISSUED
OR DISTRIBUTED BY THE
MUSEUM OF COMPARATIVE ZOOLOGY
HARVARD UNIVERSITY

BREVIORES 1952-
BULLETIN 1863-
MEMOIRS 1865-1938
JOHNSONIA, Department of Mollusks, 1941-1974
OCCASIONAL PAPERS ON MOLLUSKS, 1945-

SPECIAL PUBLICATIONS.

1. Whittington, H. B., and W. D. I. Rolfe (eds.), 1963. *Phylogeny and Evolution of Crustacea*. 192 pp.
2. Turner, R. D., 1966. *A Survey and Illustrated Catalogue of the Terebrinidae (Mollusca: Bivalvia)*. 265 pp.
3. Sprinkle, J., 1973. *Morphology and Evolution of Blastozoan Echinoderms*. 284 pp.
4. Eaton, R. J., 1974. *A Flora of Concord from Thoreau's Time to the Present Day*. 236 pp.
5. Rhodin, A. G. J., and K. Miyata (eds.), 1983. *Advances in Herpetology and Evolutionary Biology: Essays in Honor of Ernest E. Williams*. 725 pp.
6. Angelo, R., 1990. *Concord Area Trees and Shrubs*. 118 pp.

Other Publications.

- Bigelow, H. B., and W. C. Schroeder, 1953. *Fishes of the Gulf of Maine*. Reprinted 1964.
- Brues, C. T., A. L. Melander, and F. M. Carpenter, 1954. *Classification of Insects*. (*Bulletin of the M.C.Z.*, Vol. 108.) Reprinted 1971.
- Creighton, W. S., 1950. *The Ants of North America*. Reprinted 1966.
- Lyman, C. P., and A. R. Dawe (eds.), 1960. *Proceedings of the First International Symposium on Natural Mammalian Hibernation*. (*Bulletin of the M.C.Z.*, Vol. 124.)
- Ornithological Gazetteers of the Neotropics (1975-)*.
- Peters' Check-list of Birds of the World*, vols. 1-16.
- Proceedings of the New England Zoological Club 1899-1947*. (Complete sets only.)
- Proceedings of the Boston Society of Natural History*.

Price list and catalog of MCZ publications may be obtained from Publications Office, Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts 02138, U.S.A.

This publication has been printed on acid-free permanent paper stock.

TYPES OF LAND AND FRESHWATER MOLLUSKS FROM THE HAWAIIAN ISLANDS IN THE MUSEUM OF COMPARATIVE ZOOLOGY

RICHARD I. JOHNSON¹

CONTENTS

Abstract	159
Introduction	159
The Collectors (O. P. Emerson, E. J. Meadows, D. Thaanum)	161
The Collectors and Taxonomists	162
Adams, C. B.	162
Ancey, C.-M. F.	162
Baldwin, D. D.	162
Cockerell, T. D. A.	163
Cooke, C. M., Jr.	163
Gould, A. A.	163
Gulick, J. T.	164
Hartman, W. D.	165
Hyatt, A.	165
Jay, J. C.	166
Kondo, Y.	166
Lea, I.	167
Mighels, J. W.	167
Neal, M. C.	168
Newcomb, W.	168
Pease, W. H.	169
Pfeiffer, L.	169
Pilsbry, H. A.	170
Reeve, L. A.	170
Smith, E. A.	170
Sykes, E. R.	171
Welch, D'A. A.	171
Remarks	172
Acknowledgments	173
Abbreviations	173
List of Types	174
List of Species by Author	203
Literature Cited	209

L. A. Reeve, E. A. Smith, E. R. Sykes, and D'A. A. Welch in the Museum of Comparative Zoology are listed. If the holotype or lectotype is not found there, its location is included if known. New lectotype selections are made only for the figured types of Newcomb, Pfeiffer, and Reeve in The Natural History Museum, London, and those of Newcomb now in the Paleontological Research Institute, Ithaca, New York.

INTRODUCTION

"Evidence exists for a *minimum* of 1,461 recognizable endemic taxonomic units of Hawaiian land snails, comprising 931 species, 332 subspecies, and 198 unjudged varieties." Thus spake the late Alan Solem (1990: 27). Immanuel Kant claimed that he was awakened from his dogmatic slumber on reading the work of David Hume, which led to his work *The Critique of Pure Reason*, and, in a much smaller way, Solem's dogmatic assertion led to the present study, even though this list of types could not contribute to refuting his assertion as to the number of taxonomic units of Hawaiian land snails.

However, since the present work was begun, Cowie, Evenhuis, and Christensen (1995), in a *Catalog of the Native Land and Freshwater Mollusca of the Hawaiian Islands*, suggest that there are "763 nomenclaturally valid species" of endemic land snails. In another paper by Cowie, Nishidra, Basset, and Gon (1995), the authors give a slightly higher number simply because they include 16 questionable ones mentioned in brackets in the *Catalog*.

ABSTRACT. Types of Hawaiian land and freshwater mollusks described by C. B. Adams, C.-M. F. Ancey, D. D. Baldwin, T. D. A. Cockerell, C. M. Cooke, Jr., A. A. Gould, J. T. Gulick, W. D. Hartman, A. Hyatt, J. C. Jay, Y. Kondo, I. Lea, J. W. Mighels, M. C. Neal, W. Newcomb, W. H. Pease, L. Pfeiffer, H. A. Pilsbry,

¹ Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts 02138.

Cowie (1995) further calls attention to the difficulty of arriving at an exact taxonomic number for the land species but correctly states that the *Catalog* is the most rigorous, verifiable compilation we yet have, and with this your author is in complete agreement. Even including the few freshwater forms, we still have a total well under 800 named species. Solem's figure of 1,461 taxonomic units seems to have been taken off the chandelier, like imaginary bids at an auction gallery.

The present work does not claim to be more than the title suggests. No estimate of the valid species is attempted, but even a cursory examination of the named material appears to indicate that a modern study of all the Hawaiian land and freshwater mollusks would result in fewer valid species and subspecies being recognized than anyone has yet suggested.

Although previous monographers such as Cooke, Kondo, Pilsbry, Solem, and Welch have attempted to indicate relationships among species, Cowie and colleagues and your present author follow in the footsteps of the great sixteenth century encyclopedist, Conrad Gesner, who alphabetically listed the Latin names of the animals. This had a considerable effect on the arrangement of the text when the work was translated into German, as was pointed out by Ley (1968: 129). Let us hope that the named taxa of Hawaiian nonmarine gastropods are not assigned English names by government decree!

The collection of Hawaiian land and freshwater mollusks in the Museum of Comparative Zoology is probably only exceeded by that in the Bernice Pauahi Bishop Museum. The MCZ, founded in 1859, is fortunate to include the collection of the Boston Society of Natural History, begun in 1830. It is not surprising that Mighels, Gould, and C. B. Adams were sent specimens by, among others, the Reverend Edward Johnson, who lived at Waioli, near Hanalei (Johnson, 1949: 217), for, since 1820, the American Board of Commission-

ers for Foreign Missions (Congregational)² in Boston had been busily sending clergy to the then Sandwich Islands. Among them was Peter Johnson Gulick, who was dispatched in 1827. He was the father of John Thomas Gulick, who was born in Kauai, and grew up to be a student of the Achatinellidae and an evolutionist. By 1850 the Board decided that the Christianization of the Hawaiian Islands was sufficiently complete to begin the return of the missionaries, but it offered full title to the houses in which they were living if they wished to stay in the islands. Among the families that remained were those of Baldwin, Cooke, and Gulick.

Many of the descendants of those who set out to do good did very well. Austin (1921: 91), whose father was Associate Justice of the Supreme Court under Kamehameha V, and executor of William Harper Pease's will, mentioned his friend Charles Reed Bishop from New York State, founder of the banking firm Bishop and Co., who married the Princess Pauahi. She was the great-granddaughter of Kaliahiopuu I, the King of Hawaii at the time of Captain Cook's visit (1778), and of Kamehameha I, his successor, who completed the conquest of the other islands. When Mrs. Bishop died, she placed more than 434,300 acres of her royal lands in a perpetual trust and created the Kamehameha School as its sole beneficiary; the Bishop Museum, despite its name, receives nothing from this trust. The school's campus covers some 600 acres and overlooks Honolulu Harbor. It now enrolls 3,000 students from kindergarten through high school.³ Her husband founded the Bernice

² Their vast archives, one of the most fruitful mines for those doing research on the Hawaiian Islands, are now deposited in Houghton Library at Harvard University (see Dodge, 1965: 183).

³ Bishop [Trust] put barely one-third of its \$244 million in fiscal 1993 earnings into education. Of the rest, about \$100 million became new fodder for an intricate web of commercial enterprises and investments—a sum unheard of among other major charities, which spend most of their earnings on core op-

Pauahi Bishop Museum in her honor during 1889 at Kalihi, a western suburb of Honolulu.

On the Fourth of July in 1894, a Republic was declared with Sanford B. Dole as President; a second appeal for annexation was made to President McKinley in 1898, and the islands were formally organized into the Territory of Hawaii. This same year, the preface to Volume 1, Number 1, of the *Occasional Papers of the Bishop Museum* listed Dole as the president of the board of Trustees and William T. Brigham as director. This is the museum where Cooke, Neal, and Kondo, discussed later, spent their professional lives, the early history of which is so interestingly told by Rose (1980).

The other important collection of Hawaiian land and freshwater mollusks is in the Academy of Natural Sciences of Philadelphia. It may not be as extensive as the aforementioned collections, but it is rich in type specimens, especially those of Baldwin, Cooke, and Pilsbry, which were studied by Baker (1963).

THE COLLECTORS (O. P. Emerson, E. J. Meadows, D. Thaanum)

In addition to the sketches of the authors whose types are in the Museum of Comparative Zoology, accounts are provided of Oliver Pomeroy Emerson, Edmund J. Meadows, and Ditlev Thaanum, portions of whose collections are now in the MCZ.

O. P. Emerson (1845–1938) was the son of one of the fifth band of missionaries to arrive in Honolulu. After graduating from Williams College in 1868 and from Andover Theological Seminary in 1871, he also became a missionary. Emerson made

a collection of about 950 lots of Achatinellidae, mainly from Oahu, which he bequeathed to the MCZ. He also wrote an account called *Pioneer Days in Hawaii* (1928), in which he mentioned collecting *pupu kani oi-oi* (the shrill-voiced shell), as the *Achatinella* were locally called, and his relations with the neighboring Gulicks.

Little is known about Edmund J. Meadows, but in a letter that came with his collection to the MCZ he stated that he was in Honolulu in 1920 and while hiking in 1925 he saw his first achatinellids. He did not begin collecting them seriously until 1930 after receiving instructions from C. Montague Cooke, Jr. From 1932 until 1942, he was associated with William H. Meinecke, whose collection is in the Bishop Museum. Others with whom Meadows collected were Brickman Lyman, Leopold Blackman, Irwin Spalding, and George Arneemann. The MCZ purchased the Meadows collection in 1947 for \$325. It was evaluated by Kondo (1954), who was impressed that it contained representatives of 40 of the 42 species of *Achatinella* that he recognized, lacking only *A. solitaria* Newcomb and *A. thaanumi* Pilsbry and Cooke. It consisted of 653 lots totaling 9,225 specimens and was accompanied by 39 hand-drawn maps, which show every locality at which collections were made. Upon examining the collection in the MCZ, Welch (1958: 125) disagreed with Kondo; he thought it badly mixed and suggested the following:

The only way the MCZ Meadows collection, as it stands today, could be made reliable would be to send it to Honolulu and have each lot carefully compared with the Meinecke collection to determine which lots were collected with Meinecke. However, there still would always be a question about many localities and some lots would be difficult to determine.

Ditlev Thaanum (1867–1963) was born in the province of Jutland, Denmark. At the age of 9 or 10 he was sent to the family of a printer and publisher, and at the end of 1886 he ended his apprenticeship. After traveling in the United States, he ended

erations. For the year ended June 30, 1993, Bishop's five governing trustees earned \$820,000 each, payments calculated, in unusual fashion, partly as a percentage of the trust's tax free investment income." (Alix M. Freedman and Laurie P. Cohen, *The Wall Street Journal*, April 25, 1995, p. 1. See also *The Wall Street Journal*, May 5, 1995, p. B4; and James Doolley, *The Honolulu Advertiser*, May 16, 1993.)

up in Honolulu in 1894 and never completed the world voyage he had projected. He developed an interest in shells and became one of the great collectors along with his brother-in-law Daniel Kuhns, who later changed his name to Langford. Much of the material that Cooke and Pilsbry published on the land-snail families Achatinellidae and Amastridae was collected by Thaunum or by Thaunum and Kuhns (subsequently as Thaunum and Langford). His own splendid collection of over 4,000 lots of Hawaiian land and freshwater shells, rich in paratypes, was presented to this museum (MCZ) in 1953. Though Thaunum spent his life in the printing trade, he wrote almost nothing himself, but some 30-odd species were named after him based on specimens he collected (Rehder, 1969: 44).

THE COLLECTORS AND TAXONOMISTS

Charles Baker Adams, 1814-53

The most recent account of the life of C. B. Adams is that by Clench and Turner (1950). This paper was written after his collection, which had been at Amherst College, Amherst, Massachusetts, for nearly 90 years, was transferred to the Museum of Comparative Zoology in 1942.

Adams entered Yale University in 1830, but in his sophomore year he transferred to Amherst College, from which he graduated with honors. After spending a few years as Professor of Chemistry and Natural History at Middlebury College, Middlebury, Vermont, he returned permanently to Amherst College in 1847 as Professor of Zoology and Astronomy. He died of yellow fever while visiting his friend and fellow conchologist Robert Swift at St. Thomas in the Virgin Islands.

Adams' main interests were the Western Atlantic and Eastern Pacific marine mollusks, as well as the land shells of Jamaica. Though he never traveled to Hawaii, he described eight taxa (seven new) of *Achatinella* from the Hawaiian Islands; these were collected by Henry Dimond, who re-

sided at Honolulu on Oahu. When a taxon was represented by a single specimen, that specimen was regarded as the holotype by Johnson and Boss (1972), whereas for the remaining taxa lectotypes were selected. All of the species were figured by Johnson and Boss.

César-Marie Félix Ancy, 1860-1906

The life of C.-M. F. Ancy was briefly sketched by Fischer (1908), followed with a complete bibliography of his works on mollusks. G eret (1909) made a list of all the taxa introduced by Ancy, including the original references and type localities, and, having acquired the collection, offered it for sale.

The land and freshwater types from the Hawaiian Islands were purchased by the Bernice Pauahi Bishop Museum in 1908. Brigham (1909) mentions in his Director's Report of 1908 that "Dr. Cooke . . . has been engaged in cataloguing the important collection of the late M. Ancy, now belonging to this Museum." Of the 125 Hawaiian species and subspecies described by Ancy, type material of 31 are to be found in the Museum of Comparative Zoology, received through earlier exchanges or later from the Bishop Museum.

David Dwight Baldwin, 1831-1912

D. D. Baldwin was born in Honolulu and spent his childhood at Waimea, Hawaii, and his boyhood at Lahaina, Maui. From 1844 to 1851, he attended Punahou School, where he was prepared for college by the Reverend Daniel Dole. He graduated from Yale College in 1857, with honors, receiving the prize for astronomy. Returning to the Islands, he became principal of the Lahaina School, and except for seven years when he was manager of the Kohala Plantation (where he introduced the so-called Lahaina sugar cane, to which the plantation owed its success), his professional life was spent in education. Baldwin became Inspector-General of Schools, and

during his administration the number of schools where English was the basis of instruction increased from 5 to 100.

Pilsbry (1912: 82) pointed out that, between the period of Gulick and Newcomb, Baldwin was alone in publishing original work on the Achatinellidae. While the major part of his collection appears to be in the B. P. Bishop Museum, the Museum of Comparative Zoology has an extensive collection that either he or his son, E. D. Baldwin, originally presented to Oberlin College, Ohio.

Because there is no complete published list of the 54 species he described, they are all included here, with references to the primary types, most of which are in the Academy of Natural Sciences of Philadelphia (Baker, 1963), though some are in the B. P. Bishop Museum. Syntypes, paratypes, or paralectotypes of 23 of these are in the Museum of Comparative Zoology. The bibliography herein of Baldwin is believed to be complete.

Theodore Dru Alison Cockerell, 1866–1948

Cockerell, a zoologist interested mainly in entomology and malacology, was born at Norwood, England. After being Curator of the Public Museum in Kingston, Jamaica, for a few years, he spent most of his career as Professor of Zoology at the University of Colorado from 1906 to 1934.

Cockerell published over 3,000 articles on zoology, 147 of them in *The Nautilus* between 1887 and 1947. He described one land snail, *Enodonta (Thaumatodon) cockerei*, from the Hawaiian Islands. An interesting biography and complete bibliography of Cockerell's multiferous publications was written by Weber (1965).

Charles Montague Cooke, Jr., 1874–1948

Cooke's grandfather, Amos Starr Cooke, went to Hawaii in 1836 with the eighth company of missionaries sent by the American Board of Commissioners of Foreign Missions. He was co-founder of the

firm of Castle and Cooke and founder of the Royal School for the children of the Hawaiian chiefs. His son, C. M. Cooke, Sr., started the Bank of Hawaii and was a director of the more important business firms, an intimate of Charles Reed, and a trustee of the Bernice P. Bishop Trust and the Bishop Museum. After the overthrow of the Hawaiian Monarchy, Cooke went to Washington to assist in preparing the treaty of annexation. It was into this powerful family that Cooke, Jr., was born.

Young Cooke attended Punahou School and Oahu College. In the family tradition, he also attended Yale University, receiving his Ph.D. in 1901. At Yale, Cooke studied under the eminent zoologist Addison E. Verrill, who took him on a field trip to Bermuda, where Cooke met his future wife, Eliza Lefferts (Johnson, 1989). In 1902, he became an assistant in the Bishop Museum, where he was to spend his professional life primarily in the study of the land shells of the Indo-Pacific. Kondo and Clench (1952) wrote a detailed account of Cooke's life and listed all of his described species. Of the species he described from the Hawaiian Islands with Pilsbry in the various volumes of the *Manual of Conchology*, with Kondo or by himself, 107 are represented here.

Augustus Addison Gould, 1805–1866

The life of A. A. Gould, a Boston physician and author of numerous works on mollusks, including the description of those brought back by the United States Exploring Expedition (1838–42), was written by Johnson (1964). The Gould collection was sold by his heirs to the New York State Museum in Albany, New York, in 1867 for \$6,000. The supposed types of 362 species were segregated from the main collection as "The Gould Type Collection" and in 1959 were placed on permanent loan at the Museum of Comparative Zoology. A few years later, the remainder of the collection was deposited in the United States National Museum, with

permission to divide it with the MCZ, as seemed desirable.

Gould was born on a farm in New Ipswich, New Hampshire. At the age of 15, though by then in charge of the farm, he was able to study at the New Ipswich Appleton Academy. In 1821, at the age of 17, he entered Harvard College, where, by frugality and application, he graduated with respectable grades. It was here that he developed an interest in natural history. During 1829–30, he was a student at the Massachusetts General Hospital under Drs. James Jackson and Walter Channing and was in attendance at the first use of ether as an anesthetic in an operation. Dr. Gould became active in the Boston Society of Natural History, which held its first meeting at Dr. Channing's house in 1830, and was an active member until his death from Asiatic cholera in 1866.

Johnson (1964) recataloged all of the mollusks described by Gould and found the figured specimens or selected lectotypes for most of the 34 land and freshwater mollusks he described from the Hawaiian Islands. All of these are included here, even if no type material was found in the Museum of Comparative Zoology. In his *Otia Conchologia* (1862), Gould sometimes changed the generic placement for some of the species; such revisions are indicated by brackets in the list herein.

John Thomas Gulick, 1832–1923

Gulick, the son of a Presbyterian missionary, as was D. D. Baldwin, was among the earliest of the native-born students of Hawaiian land snails. Both Baldwin and Gulick attended Punahou School under the direction of the Reverend Daniel Dole, Gulick from the day the school opened on July 11, 1842. While still a boy, Gulick made an extensive collection of the Achatinellidae, most of it under an altitude of 1,500 feet. He brought this collection to the United States when he attended Williams College, from which he graduated in 1859.

Gulick attended Union Theological

Seminary between 1861 and 1863. He spent his active missionary life in China and Japan until his retirement in 1899. As a temporary residence, Gulick and his wife settled in Oberlin, Ohio, where they could leave their children to obtain their education at the college, before retiring to Oahu, the island he loved so much.

Before beginning his missionary work, Gulick was encouraged by the members of the Lyceum of Natural History of New York to begin the publication in its *Annals* of 73 new species of Achatinellidae, illustrated with hand-colored plates. Having already thought that geographical isolation had something to do with the variation he observed between some of the forms he had described, the publication of Darwin's *On the Origin of Species* the year he graduated from college made him a life-long evolutionist. Gulick (1888) recognized two important components of evolution and used the terms *monotypic evolution*, or "transformation in time," and *polytypic evolution*, or "transformation in space." Though Gulick and later Romanes (1897) understood these two very different components of evolution, this insight "was largely forgotten again after 1897, until Mayr (1942) and others revived it during the evolutionary synthesis" (Mayr, 1982: 401), though Gulick (1905) continued to promulgate his ideas. Gulick was also the first person to suggest that much evolutionary change is simply a result of chance variation, a thesis not entirely settled to this day (Mayr, 1982: 555; see also Carson, 1987).

Reif (1985) showed how Gulick developed a broad theory that corrected deficiencies in Darwin's theory. Gulick anticipated central concepts of population genetics. He emphasized nonadaptive differences between populations, but he did not "deny the existence of adaptive variation in snails" (Mayr, 1980: 133). One reason for Gulick's work being almost forgotten was the ascendancy of the neo-Lamarckians at the time of his writing and his use of many neologisms, which are rendered

pellucid by Reif in a glossary. Amundson (1994) quotes Gulick's earliest evolutionary insight, "[A]ll those *Achatinellae* never came from Noah's Ark." This was a very bold statement, given his religious background, but not surprisingly he rejected the fatalism of Herbert Spencer's Social Darwinism and, by 1905, was a confirmed socialist. Amundson (1994: 139) quotes the "Dialectical Biologist" Richard C. Lewontin as seeing Gulick's "False Biology and Fatalism" (1908) as primarily a commentary on the third of Karl Marx's "Theses on Feuerbach."

In 1872, Gulick made up 20 sets out of his collection. The third of these was sold to the Boston Society of Natural History, which later, through the efforts of Alpheus Hyatt, also obtained (for \$600 in gold) the first set, which included the figured specimens of all the species he had described. The fate of the remaining sets was set forth by Clench (1959) but is not relevant here. The Society's mollusk collection was transferred to the Museum of Comparative Zoology after 1914, when the former became the New England Museum of Natural History (now Museum of Science). Also included were 18 folios of Gulick's notes. The collection he presented to Oberlin College was also transferred to the Museum of Comparative Zoology in 1959.

An extensive and interesting account of Gulick's life and scientific work, including a complete bibliography, was published by his son, Addison (Gulick, 1932), who also presented unpublished manuscripts to the MCZ Mollusk Department library (reprint nos. 8553, 11375, and 12097).

All of Gulick's systematic papers are listed here but, of the theoretical papers, only those cited are included.

William Dell Hartman, 1817–99

Hartman was born in East Pikeland Township, Chester County, Pennsylvania, in 1817, the descendant of natives of Schwerin, Hesse Kassel, Germany. After local schooling, Hartman attended what was then the famous school of Jonathan

Gause and the academy of Jonathan Strode. He graduated from the Medical Department of the University of Pennsylvania at the age of 21. After graduation, he settled in West Chester, where his practice became very extensive.

Hartman devoted all of his spare time to the study of natural history. He did extensive research on the genus *Partula* based mainly on specimens from Andrew Garrett and also on the genus *Achatinella* (1888). One of these, *Achatinella nattii* 'Baldwin' Hartman, is represented in the MCZ. Pilsbry (1899: 62) included a bibliography of Hartman's work and mentioned that his extensive collection of Achatinellidae was sold to the "Bremen Museum" (presumably the Übersee-Museum) sometime before his death.

Alpheus Hyatt, 1838–1902

Alpheus Hyatt spent his childhood in Baltimore, Maryland, on his family's estate, known as Wansbeck, then outside the city. By the time of Hyatt's death (at 64 while on his way to a meeting of the Boston Society of Natural History), it had become a hospital and lay well within the city limits. Hyatt was sent at an early age to the Maryland Military Academy and later spent one year at Yale before becoming a student of Louis Agassiz at Harvard College. After graduating in 1862, Hyatt served in the Union Army throughout the Civil War, retiring with the rank of Captain. It was not until nearly 30 years later that his relatives, having found themselves on opposite sides of the conflict, became reconciled.

In 1867, Hyatt, along with E. S. Morse, A. S. Packard, F. W. Putnam, and A. E. Verrill, became associated with the newly formed Peabody Institute in Salem, Massachusetts, financed by George Peabody. These fellow students of L. Agassiz soon founded *The American Naturalist*. In 1870, Hyatt was appointed custodian (the title was changed to curator in 1881) of the Boston Society of Natural History, where he remained until his death 32 years later.

Hyatt stated that he became an evolu-

tionist in 1859 upon reading Darwin's *On the Origin of Species*, the same year he began his studies under L. Agassiz, who would resist evolutionary thought throughout his life. Hyatt was not a Darwinian but became, along with the vertebrate paleontologist Edward Drinker Cope, a leading exponent of the neo-Lamarckian (American, not French) school. They believed that important new characters arose from the activities of animals themselves. Hyatt posited that the sequence of embryonic stages paralleled the sequence of ancestral adults and that phylogeny could be read from ontogeny. He used this principle of recapitulation to reconstruct the evolutionary history of ammonoids. As this was not natural selection, he answered the question of what determines the sequence of new stages in phylogeny with his theory of "racial senescence." This theory was best developed in his paper on *Planorbis* (1880), which argued that species, like individuals, have a determined cycle of youth, maturity, and old age leading to extinction. This idea had credence, especially among paleontologists, until the modern evolutionary synthesis was accomplished in the 1940s.

A biographical memoir of Hyatt was written by Brooks (1909), which was accompanied by a bibliography. His evolutionary ideas were discussed by Gould (1972). Hyatt became interested in the evolutionary history of the Achatinellidae and, as mentioned previously, he had the first and third sets of Gulick's material and could say, "There are at present under this roof about fourteen or fifteen thousand shells of this one group . . . there are also about six thousand more, the property of Mr. Oleson, of Worcester" (Hyatt, 1898: 283). When Gulick, while in Boston in 1899, visited the Boston Society of Natural History he found that

[a]s an aid to the investigation Hyatt had constructed a large relief model of Oahu, with colored pins and threads that visualized the geographical relationships of the species. All his life Gulick had cherished the dream of seeing his collection itself

laid out in geographical order on a great map, and this model supplied the nearest approach that he ever saw to the dream come true. (A. Gulick, 1932: 321)

Because Hyatt died before his manuscript was complete, it was finished by H. A. Pilsbry and, thus, co-authored as Hyatt and Pilsbry (1911). Although Pilsbry did not share many of Hyatt's views, he included Hyatt's articles on classification of Amastrae (1911: 358) and on the genealogy and distribution of the Achatinellidae in his volumes.

Types of 19 of the species described by Hyatt (or Hyatt and Pilsbry) were located in the collection of the Boston Society of Natural History that was deposited in the Museum of Comparative Zoology after 1914, when the Society became the New England Museum of Natural History.

John Clarkson Jay, 1808–91

Jay was a physician, active in the Lyceum of Natural History of New York, where he served as librarian (1834–35) and as treasurer (1844–46). He made a collection of shells that at the time of his death was probably the largest in the United States. Its growth was documented in his *Catalogue of Recent Shells in the Cabinet of John C. Jay, MD*, which first appeared in 1835, with ever-expanding editions in 1836, 1839, and 1850 and a supplement in 1852. The second and third editions contain descriptions of new species, but only one, *Achatina bicolor*, described in the third edition, is of concern here. The Jay collection and library were eventually presented by Catherine L. Wolfe to the American Museum of Natural History, which later disposed of Jay's own interleaved, annotated *Catalogue* (1850), which was purchased by your author and is now in the Department of Mollusks, Museum of Comparative Zoology. The molluscan types in the AMNH were listed by Richards and Old (1969).

Yoshio Kondo, 1910–90

Yoshio Kondo was born on Maui. C. Montague Cooke, Jr., took an interest in

him when he observed the young Japanese-Hawaiian serving as engineer on the sampan *Myojin Maru*, which the Bishop Museum had hired to conduct its Mangrove Expedition in 1934. Cooke appointed Kondo Assistant in Malacology and encouraged him to earn his Bachelor's and Master's degrees at the University of Hawaii. He received his Ph.D. from Harvard University in 1955. His thesis, *A Revision of the Family Partulidae*, is still mostly unpublished. Cowie (1993) published a bibliography of Kondo and listed his taxa. Six of Kondo's Hawaiian taxa are represented here from two of his papers (1952, 1960). In both, he respectfully attributed senior authorship to Cooke.

Isaac Lea, 1792–1886

Isaac Lea was born into a prosperous family of wholesale merchants who were members of the "Society of Friends," or Quakers. In 1821, he married Frances Anne Carey, whose father, Matthew Carey, owned one of the largest publishing houses in the United States at that time. "Although the firm had already been promised to Henry, the son now offered to relinquish part of his 'birthright' and take Isaac into the firm as junior partner" (Kaser, 1957: 21). The new firm, H. C. Carey & I. Lea, began on January 1, 1822. Lea retired from Carey and Lea in 1851, probably not much missed by his brother-in-law. Though he remained active in the firm until his retirement, Lea's real interest was in geology and land and freshwater mollusks.

By 1852, the year in which he received an honorary doctor of laws degree from Harvard University, he had completed only five volumes of his *Observations on the Genus Unio*, which were reprints of articles he had originally published in the *Transactions of the American Philosophical Society* beginning in 1828. They were eventually completed in 13 volumes after first being published in the *Journal of the Academy of Natural Sciences of Philadelphia*.

In spite of his having been president of the Academy and active in its affairs for many years, Lea left his collections of shells and minerals to the United States National Museum, now the National Museum of Natural History. His life and works were carefully studied by Scudder (1885). Of the several species he described from the Hawaiian Islands, only paratypes of *Melania newcombii* from Oahu are in the Museum of Comparative Zoology.

Jesse Wedgwood Mighels, 1795–1861

Mighels was born in Parsonsfield, Maine, and was teaching school by the time he was 18. He studied medicine under the direction of a local physician, and after attending some medical lectures at Dartmouth College, he was awarded the degree of M.D. in 1823. After marrying Evalina A. Rust of Norway, Maine, the couple lived in Minot, Maine, for nine years, after which they moved to Portland, where Mighels earned a reputation in surgery.

In 1827 he began to collect shells and quickly moved from appreciating their intrinsic beauty to the scientific study of them. When the Portland Society of Natural History was formed, Mighels was elected corresponding secretary at the first election of officers in December 1843. He held that post until he moved to Cincinnati, Ohio, in 1847 to become a professor at the Cincinnati College of Medicine and Surgery. Sometime before 1857, he fell down an open shaft or stairway, sustaining injuries from which he never fully recovered. He returned to Maine, where he died later that same year.

The Mighels collection of shells, consisting of over 3,000 species, was purchased by the Portland Society of Natural History in 1846 for \$1,000 but was destroyed by a fire on January 8, 1854. Of the 27 Hawaiian land and freshwater species described by Mighels, listed here, Johnson (1949) was able to locate types of

13 of them from other sources, from which lectotypes were chosen and figured.

**Marie Catharine Neal,
1889–1965**

Marie C. Neal was brought up in Connecticut. She received her B.A. from Smith College in Northampton, Massachusetts, where she was especially interested in botany. After graduating in 1912, she obtained a job as a stenographer with the Travelers Insurance Company. Later she worked for the Children's Aid Society and in the Geology Department of Yale University for Dr. Herbert E. Gregory until 1920, when he was appointed director of the Bernice Pauahi Bishop Museum in Honolulu. Gregory agreed to find her a position in botany and send for her. The only position open was in the Department of Mollusks, which she accepted.

In Hawaii, she worked for Dr. C. Montague Cooke, Jr., as Assistant Malacologist from 1920 to 1930 while earning a master's degree from Yale with her thesis on Hawaiian marine algae. "Miss Neal's capacity for work was astounding. In 1923 she catalogued 200,000 terrestrial mollusks" (Hartt and Peterson, 1984). As junior author to H. A. Pilsbry and C. M. Cooke, Jr. (1928), she wrote on the land snails of Hawaii. At last, in 1930 she was appointed Botanist and put in charge of the Museum's herbarium. "Thus began what were to be many full and richly productive years." (Doyle, 1965). She wrote one more malacological paper by herself, on Hawaiian Helicinidae (1934). Paratypes of two of the subspecies described there as new, *Pleuroploma laciniosa globuloides* and *P. l. spaldingi*, are in the Museum of Comparative Zoology.

Wesley Newcomb, 1808–92

Newcomb was born in Pittstown, Rensselaer County, New York. Following family tradition, Newcomb studied medicine. After attending the White Plains Academy and Rensselaer Institute, he received his M.D. from Castleton Medical College in

Vermont, where he was valedictorian of his class. It was while he was at Rensselaer Institute that Professor Amos Eaton directed his attention to shells as a key to paleontology, but Newcomb became so fascinated with shells that paleontology was largely forgotten.

He settled in California during the Gold Rush year of 1849, but owing to his wife's poor health, he moved to Honolulu in 1850 where he remained until 1855. Here he made his extensive collection of *Achatinella*. Returning to the United States, he settled in Albany, New York, making a trip to Europe in 1857 to study the types of *Achatinella* described by Pfeiffer and others, with Augustus A. Gould as a companion for part of the sojourn. After returning to the United States, he published his "Synopsis of the Genus *Achatinella*" the next year. Most of his writings after this were on other groups of mollusks. Ezra Cornell purchased the Newcomb collection for his new university in 1886 for \$15,000. It contained some 10,000 species and was exceeded in size in the United States only by that of the Academy of Natural Sciences in Philadelphia and John C. Jay.

Clarke (1958) established that the paper by Newcomb (1854a), quoted and accepted as having priority by Pfeiffer (1854), which later appeared in the *Proceedings of the Zoological Society of London* (1854b), was published before June of that year and qualifies as a first edition, and that it was the issue available to Pfeiffer. In addition to the copy of this edition studied by Clarke at Cornell is a copy in the library of the Department of Mollusks at the Museum of Comparative Zoology. With the exception of *Achatinella grisea*, which was omitted, all of the mollusks described by Newcomb were listed by Clarke (1958), who also related the life of Newcomb and his role in the study of mollusks.

All of the Hawaiian land mollusks described by Newcomb are included here, as are the catalog numbers of the types in his collection now at the Paleontological Re-

search Institution, Ithaca, New York. The Museum of Comparative Zoology has the set of types that Newcomb sent to his friend Augustus A. Gould. The package had remained unopened in the Gould collection until, with the permission of the United States National Museum, with which the collection had been shared, your author opened it sometime after 1960. It contained nine species not located by Clarke (1960): *Achatinella adamsii*, *baldwinii*, *emersonii*, *greisea*, *mastersi*, *melanosis*, *obesa*, *pfeifferi*, and *porcellana*.

Clarke was unaware that Welch (1938, 1942, 1954, 1958) had either found the figured types or selected some lectotypes from the original set of types sent to Hugh Cuming that were figured in the *Proceedings of the Zoological Society of London* and were then in the British Museum (Natural History), now The Natural History Museum. They are *Achatinella cestus*, *elegans*, *glabra*, *multilineata*, *turgida*, and *ovata*.

Seven species not represented elsewhere, described and figured in the *Proceedings of the Zoological Society of London*, are *Achatinella aplustre*, *hybrida*, *nivosa*, *recta*, *semicarinata*, *solitaria*, and *ventulata*, as well as the "figured holotypes" of most of the nominal species listed here as syntypes. The figured types of these and others have been identified by D'Alte Welch or your author and are selected here as lectotypes.

William Harper Pease, 1824–71

Pease was born in Brooklyn, New York. He joined the Lyceum of Natural History of New York in 1841; traveled with General Winfield Scott to Mexico in 1848; arrived in Honolulu in 1849; and in 1850 applied for citizenship in the Hawaiian Kingdom, purchased land, and became local agent of the Government on Kauai. Returning to Honolulu about 1856, Pease became Commissioner of Water Rights and Rights of Way as well as Assessor of the City of Honolulu.

His main interest was natural history, es-

pecially the shells of the Pacific. In a letter of 1865, quoted by Kay (1965: 6), he wrote, "That is all I think or care about." Clench (1975) listed all of the mollusks described by Pease but did not mention the location of any of the type material, which is located in The Natural History Museum, London; Muséum National d'Histoire Naturelle, Paris; Academy of Natural Sciences of Philadelphia, and the Pease collection itself, which was purchased, after his death in 1871, by Louis Agassiz for the Museum of Comparative Zoology.

Johnson (1994) located type material for 45 of the 55 land and freshwater mollusks, included here, that Pease described from the Hawaiian Islands.

Ludwig Pfeiffer, 1804–77

Karl Georg Ludwig Pfeiffer was born in Kassel, Hesse Nassau, Germany, in 1804. He graduated from the *gymnasium* at the age of 16, studied medicine at the University of Göttingen, and at the age of 20 graduated with his M.D. from the University of Marburg. In 1833, Pfeiffer married Louise Philippine Nathusius, and it would appear that her financial endowment was sufficient to allow him to give up medicine to study botany and malacology. In an exercise of brevity, Wheeler (1949: 50) informs us that "his first marital relations were not congenial, and after the death of his three children, he secured a divorce." In 1842 he married Wilhelmina Frederika Wagner of Wetzlar, this time happily; they had five sons and one daughter.

Pfeiffer wrote extensively on land snails and made frequent trips to Paris and London to study specimens and literature not available to him in Kassel. After his death, Pfeiffer's collection and library were sold to Heinrich Dohrn, who removed them to the Museum in Stettin (now Muzeum Narodowe, Szczecin, Poland), which was destroyed during World War II. The present museum there has no material dating from before 1945 (W. Filipowiak, personal communication, 1995). The figured lectotypes of Hawaiian land snails mentioned

here were described from specimens in the collection of Hugh Cuming, now in The Natural History Museum, London.

**Henry Augustus Pilsbry,
1862–1957**

Pilsbry was born on a farm in Johnson County, Iowa, educated in the public schools of Iowa City, and graduated from the University of Iowa in 1882. He spent his spare time collecting mollusks, and his first paper, written when he was 20, was a list of the land and freshwater shells of Iowa City. He was to publish over 2,000 articles before his death. In 1887, Pilsbry was invited by George Washington Tryon, Jr., then head of the Conchological Section of the Academy of Natural Sciences of Philadelphia, to join the department. Tryon died two months later, leaving the 25-year-old Pilsbry in charge, with the task of completing the volumes on marine gastropods for the *Manual of Conchology*, begun by Tryon, the profits on the sale of which supplied his salary at that time.

"Throughout his life, Henry Pilsbry's most outstanding scientific contributions were in his researches on land snails, and he was known internationally as the pre-eminent authority on Pulmonata" (Baker, 1958: 79). Most of the 70-odd Hawaiian species introduced by Pilsbry alone or in collaboration with Cooke or Hyatt appeared in the second series of the *Manual of Conchology* between 1910 and 1926, and the figured types were located by Baker (1963). Pilsbry's concept of the species as far as Achatinellidae are concerned is discussed later, under Welch. Clench and Turner (1962) listed most of the species described by Pilsbry.

**Lovell Augustus Reeve,
1814–65**

Reeve was born at Ludgate Hill, London. His father was a draper and mercer whose brother-in-law, Alderman Waithman, became Lord Mayor of London and later representative of the City of London during four successive Parliaments. Young

Reeve distinguished himself in school, winning prizes in Latin and Greek; nevertheless, he was removed from school at the age of 13 and apprenticed to a grocer. A chance encounter with a sailor "with a pocket handkerchief full of shells" (Melvill, 1900: 345) led to his life-long devotion to conchology. He formed an acquaintance with John Edward Gray of the British Museum and later with the prolific collector Hugh Cuming, who had the largest private collection of the time.

In 1843, Reeve began his most ambitious work, the *Conchologia Iconica*, which consisted of a series of illustrated monographs on various molluscan genera, written by himself, drawn on lithographic slates by G. B. Sowerby, Sr., colored by hand, and issued with letterpress. By the time he died, Reeve had described as new some 2,000 species, mostly from the Cuming collection, now in The Natural History Museum, London. All of the 15 *Achatinella* species were from the Cuming collection. Cuming sent examples of four of these to C. B. Adams, whose collection is now in the MCZ. The figured types of these in The Natural History Museum, London, have been identified by D'Alte Welch or your author and are selected here as lectotypes.

Edgar Albert Smith, 1847–1916

E. A. Smith, son of a Keeper of Entomology at the British Museum, was educated privately and at the North London Collegiate School. When barely 20 years old, he became an assistant in the Zoological Department at the same museum as his father. This was a few years before the retirement of John Edward Gray, the then Keeper of Zoology, who put Smith to work on the great shell collection of Hugh Cuming, which the museum had acquired in 1846. The arrangement of the Mollusk Collection was his responsibility when the natural history collections were moved from Bloomsbury to the new British Museum (Natural History) in 1881. Melvill (1917: 151) called attention to Smith's

pamphlet (1906), which detailed the growth of the Mollusk Collection from its beginning and listed the authors whose types are to be found there. Smith described over 2,300 species of mollusks, and it is of interest here that he also served, from 1891 to 1912, on the British Association Committee, which was appointed in 1890 to “[r]eport on the present state of our knowledge of the Zoology of the Sandwich Islands.” After his official retirement in 1913, Smith continued to work at the museum until his death at the age of 69 in 1916.

In a paper on Hawaiian Achatinellinae he co-authored with Gulick (1873), Smith described 32 species as new. Seventeen of the figured holotypes and paralectotypes of four others are now in the Museum of Comparative Zoology. The figured specimens of the 11 not included here are presumed to be in The Natural History Museum, London. Trew (1993) listed all of the names introduced by Smith and included a complete bibliography.

Ernest Ruthven Sykes, 1867–1954

Although E. R. Sykes wrote over 100 articles on conchology, almost no information about him has been published in any of the malacological journals. Of his personal life, we have few details, though Swann (1992: 5), whose firm bought Sykes' extensive library in 1948, mentioned that “Sykes's family had a bank which was one of those amalgamated to form Barclay's” and that he had lived in a beautiful old manor house in Dorset.

Sykes devoted particular attention to the nonmarine mollusks of the Indo-Malayan region and of the Indo-Pacific islands. Rees (1954: 23) mentioned that, when his collection was presented to the then British Museum (Natural History) after his death, there was “a fine series representing his work on land Mollusca of Hawaii in *Fauna Hawaiiensis* (1900).” Only three of the Hawaiian species Sykes described are present in the Museum of Comparative Zoology.

d'Alte Aldrich Welch, 1907–70

Welch was born in New York City. He received his Ph.D. from Johns Hopkins University in 1937. Commencing in 1942, he was a professor of biology at John Carroll University in Cleveland, Ohio. In 1970, he was shot to death in a hold-up outside the Racquet Club in Cleveland (Abbott and Baker, 1970). He was survived by his wife, Ann Frances (Goddard), and five children.

Welch was primarily a student of the Hawaiian Achatinellidae, studying them with the same ardor with which his mentor, Henry Edward Crampton, had studied the *Partula* of the Society Islands. From Crampton, Welch received many ideas regarding the biometrical treatment of distribution problems. Welch also applied the then-emerging modern species concept to his understanding of the fauna.

In the first (1938: 14) of his four major studies (1938, 1942,⁴ 1954, 1958), Welch discussed the taxonomic concepts of Pilsbry, who recognized three grades of speciation (Pilsbry, May 1914: xxv). Welch agreed with Pilsbry, who considered races under Grade I to be species because there are no integrating or hybrid forms between two races, A and B, in the same valley. Regarding Grade II, Pilsbry considered geographic races (i.e., with a definite and consistent distribution) that blend with other races through hybrid or undifferentiated colonies where the geographic races meet to also be species. Welch correctly pointed out that two *Achatinella* that integrate are not distinct species; they are subspecies of a single species. Pilsbry's Grade III does not have taxonomic status. The term subspecies and its concept (Mayr and Ashlock, 1991: 430) were not available to Pilsbry or Welch. Describing

⁴ Printed during the World War II paper shortage, this study made national news. The original Smithsonian issue was probably set for 250 copies, but by mistake 25,000 were actually printed of this 256-page monograph on the variation of a single species of *Achatinella*.

borderline cases involving populations that have acquired some but not all of the attributes of species rank, they cover Welch in particular in his use of the term "variety," which he used in the sense of population dynamics and not, as Mayr and Ashlock (1991: 432) mention, to describe "an ambiguous term of classical (Linnaean) taxonomy for a heterogeneous group of phenomena including variations of the phenotype, phenon, domestic breeds, and geographic races."

Welch made copious use of the MCZ *Achatinella*, especially in his later papers (1954, 1958). The collection contains figured paratypes of some of his subspecies, as well as figured specimens that do not have taxonomic status.

Welch was also a distinguished collector and bibliographer of antiquarian children's books. His final work on the subject was published posthumously (1972).

REMARKS

The following catalog includes all of the types of Hawaiian land and freshwater mollusks represented in the Museum of Comparative Zoology. If a taxon is not represented there by a holotype or lectotype, every effort has been made to locate it elsewhere if one exists. All of the Hawaiian land and freshwater taxa, even if no type material could be found, are included of those described by C. B. Adams, D. D. Baldwin, A. A. Gould, J. T. Gulick, J. W. Mighels, W. Newcomb, and W. H. Pease. It is arranged alphabetically by species or subspecies. In addition to the original reference, subsequent citations are also included if they provide the first figure of a type specimen or other relevant material. Type localities have been modified to the extent that the island is always given first. Data in brackets, with the exception of generic changes made by Gould in his *Otia Conchologia* (1862), have been found on original labels, are additions or corrections from recent maps, or are comments by this author.

James (1996: 100) somewhat reluctantly excuses Cowie, Evenhuis, and Christensen (1995) for not using the glottal stop and macron in correctly writing locality data in the Hawaiian language. James's reference to Pukui and Elbert (1971), actually revised and enlarged in 1986, is to a Hawaiian-English, English-Hawaiian dictionary, which is by no stretch of the imagination a gazetteer. The *Atlas of Hawaii*, edited by Armstrong and Bier (1983), does list many localities in Hawaiian. No apology is offered here for not changing the original orthography of any of the localities; this should not be interpreted as an English-only policy.

In decades past, if revisers such as Cooke, Pilsbry, Welch, and the present author were able to locate the single figured or measured syntype, it was usually regarded as the holotype. For example, the single figured specimens of Gulick's taxa have always been regarded as holotypes. Most of the designations included in this paper were made long before the promulgation of the third edition of the *International Code of Zoological Nomenclature* (1985), which invalidated this practice under Article 74(b): "... should another syntype or syntypes be discovered [the first subsequent author is to be regarded] to have chosen a lectotype." If this change is to be made it is left here, in these instances, to a subsequent reviser.

Baker (1963, 1964) listed all of the types of land snails in the Academy of Natural Sciences of Philadelphia and used his own system of abbreviations for type designation, which have been interpreted here as follows:

- TOD type by original designation [holotype]
- TOM type because only one example was included in the original description or was indicated by only one set of dimensions . . . [holotype]

TSD type by subsequent selection, followed by "now" if apparently first designated in these lists . . . [lectotype]

In a few instances, Welch refigured Newcomb's types, regarding them as holotypes or lectotypes. He further identified the figured type from among the others in most of the lots, at The Natural History Museum, London, and at Cornell University. Having been privileged to examine all of these types, as well as some figured by Pfeiffer, Reeve, Smith, and Sykes, in the former institution, these are selected as lectotypes in compliance with ICZN 74(b).

The paper by Cowie, Evenhuis, and Christensen (1995) was a very valuable tool in helping your author correct numerous errors and deficiencies from appearing in the following list of references. Unfortunately, Cowie et al. were not aware that the authorship, and occasionally the type localities, of many of the new species described in the monographs by Hyatt and Pilsbry or Pilsbry and Cooke published in the *Manual of Conchology* appeared only on the plate captions, hence there are discrepancies in some of the references given here.

ACKNOWLEDGMENTS

It gives me great pleasure to thank those people whose cooperation eased the task of gathering information. Dr. Fred Naggs, of the Mollusca Section, The National History Museum, London, in addition to answering many questions, kindly made it possible for me to borrow all of the Newcomb types, as well as many others that I had requested. Dr. Robin Hadlock Seeley, Professor of Zoology, Cornell University, Associate Curator in Malacology, Paleontological Research Institution, Ithaca, New York, also kindly lent all of the Newcomb material requested and supplied a valuable list of the Newcomb material that Welch had had on loan for 20 years. Dr. Robert H. Cow-

ie, Associate Malacologist, Bernice Pauahi Bishop Museum, made it possible to include data concerning many of the primary types in that institution. Ms. Karen J. Kroschwitz also assisted in this effort. Ms. Janet A. Short, Catalog Librarian, supplied all of the biographical data on Marie Catharine Neal, which this author would never have been able to locate. Dr. Paula M. Mikkelsen, Delaware Museum of Natural History, ascertained that there was no Mighels material in that institution.

Mrs. Marie D. Britz began putting the manuscript on a computer many years ago and was very patient with the author's many changes and corrections, as has been Ms. Kate Tuttle, who in addition to her patience and good humor has produced the final effort. Ms. Tanya Kausech cheerfully helped in many ways, especially by curating much of the material.

The "anonymous" reviewers who kindly identified themselves, Drs. Alan R. Kabat and Robert H. Cowie, are deserving of special thanks for meticulously correcting the manuscript.

Publication costs of this study were covered in part by the Wetmore Colles Fund.

ABBREVIATIONS

In general, this author disdains references that merely give a date, forcing the use of the bibliography over and over. To partially alleviate this problem, the principal references are cited in the catalog by the following abbreviations.

AJC	<i>American Journal of Conchology</i>
ALNHNY	<i>Annals of the Lyceum of Natural History of New York</i>
AMNH	American Museum of Natural History, New York, New York
ANSP	Academy of Natural Sciences of Philadelphia, Philadelphia, Pennsylvania
BJNH	<i>Boston Journal of Natural History</i>

- BMCZ *Bulletin of the Museum of Comparative Zoology*
- BMNH British Museum, Natural History, London; now The Natural History Museum
- BPBM Bernice Pauahi Bishop Museum, Honolulu, Hawaii
- BSMF *Bulletin de la Société Malacologique de France*
- BSNH Boston Society of Natural History, Boston, Massachusetts; now The Museum of Science
- CU Cornell University; W. A. Newcomb collection now at the Paleontological Research Institution, Ithaca, New York
- JdeC *Journal de Conchyliologie*
- JofM *Journal of Malacology*
- MofC *Manual of Conchology*
- MCZ Museum of Comparative Zoology, Cambridge, Massachusetts
- MNHN Muséum National d'Histoire Naturelle, Paris
- OPM *Occasional Papers on Mollusks*
- PANSP *Proceedings of the Academy of Natural Sciences of Philadelphia*
- PBSNH *Proceedings of the Boston Society of Natural History*
- PCANS *Proceedings of the California Academy of Natural Sciences*
- PMSL *Proceedings of the Malacological Society of London*
- PZS *Proceedings of the Zoological Society of London*
- USEE United States Exploring Expedition
- USNM United States National Museum, Washington, D.C.; now The National Museum of Natural History, Smithsonian Institution
- TYPES OF LAND AND FRESHWATER MOLLUSKS FROM THE HAWAIIAN ISLANDS IN THE MUSEUM OF COMPARATIVE ZOOLOGY INCLUDING ALL OF THE HAWAIIAN LAND AND FRESHWATER TAXA INTRODUCED BY C. B. ADAMS, D. D. BALDWIN, A. A. GOULD, J. T. GULICK, J. W. MIGHELS, W. NEWCOMB, AND W. H. PEASE
- abavus* Hyatt and Pilsbry, *Amastra* (*Amastrella*) 1911, MofC (2) 21: 255, pl. 42, figs. 4, 5 (Molokai: Pukoa: fossil). Figured syntypes BPBM 23483; syntype MCZ 97644.
- abberans* Hyatt [in] Hyatt and Pilsbry, *Amastra* (*Amastra*) *bigener* 1911, MofC (2) 21: 300, pl. 44, fig. 8 (Maui). Holotype USNM 117264; paratypes MCZ 136883 ex Gulick collection 1549.
- abbreviata* Ancey, *Tornatellina* 1904a [1903], JdeC 51: 298, pl. 12, figs. 7, 8 (Maui: Kaupakalua). Not mentioned by Fischer-Piette (1950: 171); syntype ANSP 111850 figured by Pilsbry and Cooke (1916, MofC (2) 23: 268, pl. 55, figs. 12, 13); syntypes BPBM 18421; syntypes MCZ 165800 and 199568.
- abbreviata* Reeve, *Achatinella* 1850, *Conchologia Iconica* 6, *Achatinella*, pl. 3, species 19 ([Oahu: Palolo, *teste* Pilsbry and Cooke (1913: 123)]; Cuming collection). Lectotype, here selected, BMNH 1992195/1 is the figured type, *teste* Welch; paralectotypes BMNH 1992195/2; MCZ 298275 ex Cuming.
- accincta* Mighels, *Achatina* 1845, PBSNH 2: 20 (Oahu). The type figured by Reeve (1849, *Conchologia Iconica* 5, *Achatina*, pl. 19, species 101) not located in BMNH by Naggs (personal communication); not located by Johnson (1949: 220).
- acicula* Pilsbry and Cooke, *Tornatellides perkinsi* 1915, MofC (2) 23: 225, pl. 49, figs. 3, 4 (Oahu: Pimaluu). Figured syntypes BPBM 36256; syntypes ANSP 111839 and MCZ 97551.
- acuminata* Cooke, *Amastra* (*Metamastra*) *subrostrata* 1933, BPBM *Occ. Pap.* 10(6): 21, pl. 2, fig. 10 (Oahu: Waianae Mountains, Lualualei, southeast side of valley, high up the sides in a damp glen). Figured holotype and paratypes [listed as cotypes] BPBM 10773; paratypes MCZ 97624.
- acuminata* Gould, *Achatinella* [*Leptachatina*]

Titles of other journals cited in the catalog are usually given in full.

- 1847, PBSNH 2: 200 (Kauai); 1852, USEE 12: 87, pl. 7, fig. 100; 1862, *Otia Conch.*, pp. 34, 244. "Single broken specimen in Smithsonian [USNM 5502]. A careful search through Gould's collection in Albany did not produce another specimen" (Cooke, 1911: 5).
- acuta*, Newcomb, *Achatinella*
1854, PZS 21: 142 (preprint p. 16), pl. 23, fig. 36 (Oahu: Lehui; single specimen). Non *A. acuta* Swainson 1828 is *A. elongata* Newcomb 1854, *teste* Newcomb (1858: 328). Newcomb (1858: 328) asserts that figure 36 is not *acuta* but is based on the same specimen of *A. soror* as figure 38. Specimens identified by Newcomb [idiotypes] CU 29898 from Maui; not located in BMNH by Naggs (personal communication).
- adamisi* Newcomb, *Achatinella*
1853, ALNHNY 6: 19 (Maui: Makawao); 1854, PZS 21: 137 (preprint p. 11), pl. 22, fig. 20 (East Maui). Syntypes MCZ 294932; not located in BMNH by Naggs (personal communication); not found in CU by Clarke (1960: 145); syntypes BMNH 1995100 and CU [not numbered] ex MCZ 294932.
- admodesta* Mighels, *Pupa*
1845, PBSNH 2: 19 (Oahu). Lectotype MCZ 177005 selected by Johnson (1949, OPM 1: 221, pl. 27, fig. 17).
- adusta* Gould, *Achatina* [*Carelia*]
1845, PBSNH 2: 26 (Sandwich [Hawaiian] Islands); 1862, *Otia Conch.*, p. 194. Not located by Johnson (1964: 35).
- annulator* Pilsbry [in] Hyatt and Pilsbry.
Amastra (*Metastra*)
1911, MofC (2) 21: 190, pl. 38, fig. 7 (Oahu: Kahauiki; Thanum). Holotype BPBM 23486; paratypes MCZ 31165 ex Thanum.
- affinis* Newcomb, *Achatinella*
1854, PZS 21: 142 (preprint p. 16), pl. 23, fig. 35 (East Maui: Kula). Lectotype, here selected, BMNH 1992252/1 is the figured type; paralectotypes BMNH 1992252/2; MCZ 142823 and 294934; supposed paralectotypes CU 29901, though from Haleakala.
- agglutinans* Newcomb, *Achatinella obesa*
1854, PZS 21: 143 (preprint p. 17), pl. 23, fig. 39a (no locality [Waiuku, *teste* Hyatt and Pilsbry (1911: 283)]). Syntypes CU 30037 from East Maui; not located in BMNH by Naggs (personal communication); not in MCZ.
- albalabia* Welch, *Achatinella bulimoides*
1954, PANSP 106: 73, pl. 1, fig. 7 (Oahu: [North Poamoho Stream, North Branch]). Holotype BPBM 10511; paratypes BPBM 50410; paratypes MCZ 138644 from lower part of Pa Kanaka Valley [and additional type lots from other localities].
- albescens* Gulick, *Achatinella*
1858, ALNHNY 6: 237, pl. 8, fig. 57 (Oahu: Wai-mea, Pupukea, Waialei, Kahuku, Hanuula [and] Kaawa [Kaaawa]). Holotype only, MCZ 39866 from Waialei, "the metropolis of the species."
- albolabris* Newcomb, *Achatinella*
1854, PZS 21: 149 (preprint p. 23), pl. 24, fig. 56 (Oahu: Waianoe [Waiaanae]). Lectotype, here selected, BMNH 1992261/1 is the figured type; paralectotypes BMNH 1992261/2; CU 29902; MCZ 294944.
- albospira* Smith [in] Gulick and Smith, *Apex*
1873, PZS for 1873: 77, pl. 10, fig. 8 (Oahu: Ewa). Holotype only, MCZ 39903.
- alexandri* Cooke [in] Pilsbry and Cooke, *Gulickia*
1915, MofC (2) 23: 112, pl. 28, fig. 7 (West Maui: Maunahooma [Maunahoomaha], Honokowai). Holotype BPBM 14148 according to Cowie, Evenhuis, and Christensen (1995: 78), from "valley E. of Maunahooma above Japanese camp, 800–1,000 feet," but the label reads "Hahakea, West Maui"; paratype MCZ 97549 correctly labeled "Maunahooma," suggests that the label represents a copying error.
- alexandri* Newcomb, *Achatinella*
1865, PCANS 3: 182 (West Maui: elevation of 7,500 feet); 1866, AJC 2: 216, pl. 13, fig. 14. Lectotype, here selected, CU 29903A, though slightly smaller than the figure; paralectotypes CU 29903; not in MCZ; not found in ANSP by Baker (1963).
- alpha* Pilsbry and Cooke, *Helicina laciniosa*
1908, BPBM Occ. Pap. 3 (2): 203, fig. 5 (Oahu: Mt. Tantalus). Holotype BPBM 14904; paratypes MCZ 191073.
- ambigua* Pease, *Limnaea*
1870, AJC 6: pl. 3, fig. 5 (Hawaiian Islands). Holotype ANSP 21240a, *teste* Baker (1964: 152); paratypes MCZ 73469.
- ambusta* Pease, *Auricella*
1868, JdeC 16: 345 ([Oahu: Waianae Mountains]). Lectotype MCZ 45152, selected by Johnson (1994, BMCZ 154: 6, pl. 2, fig. 10); paralectotypes MCZ 298488.
- ampla* Newcomb, *Achatinella*
1854, PZS 21: 137 (preprint p. 11), pl. 22, fig. 19 (Oahu: Kolau [Koolau]). Lectotype, here selected, BMNH 1992210 is the figured and only type, *teste* Welch; paralectotypes CU 29904; not in MCZ.
- ampulla* Gulick, *Achatinella*
1856, ALNHNY 6: 200, pl. 7, fig. 29 (Maui: Honukawai). Holotype only, MCZ 39872 from Lahaina [sic].
- analoga* Gulick, *Achatinella*
1856, ALNHNY 6: 227, pl. 7, fig. 47 (Oahu: Halawa). Holotype only, *teste* Gulick, MCZ 39845.
- anceyana* Baldwin, *Achatinella* (*Partulina*)
1895, PANSP 47: 223, pl. 10, fig. 16 (Maui: Makawao). Figured holotype ANSP 65707a, *teste* Baker (1963: 193).
- anceyana* Cooke, *Leptachatina* (*Leptachatina*)
1910, MofC (2) 21: 39, pl. 1, figs. 18, 19 (Hawaii: Mana; fossil). Holotype BPBM 12037; paratypes MCZ 97674.
- anceyana* Cooke and Pilsbry [in] Pilsbry and Cooke, *Lyropupa*
1920, MofC (2) 25: 253, pl. 26, figs. 3–6 (Hawaii:

- Olaa). Holotype BPBM 11050; paratypes MCZ 180242.
- anceyana* Cooke and Pilsbry [in] Pilsbry and Cooke, *Nesopupa (Infrasopupa)* 1920, MofC (2) 25: 293, pl. 28, figs. 2, 3 (Hawaii; Humuula). Holotype BPBM 11072; paratypes MCZ 78795.
- anceyanum* Pilsbry and Cooke, *Elasnius* 1915, MofC (2) 23: 118, pl. 31, figs. 7, 8 (West Maui; Maunaloa [Maunaloama]). Holotype BPBM 14147; paratype MCZ 97552.
- angulata* Pease, *Carelia adusta* 1871, JdeC 18: 403 ([Kauai]). Lectotype ANSP 23434 selected by Baker (1963: 197) figured by Hyatt and Pilsbry (1911, MofC (2) 21: 116, pl. 20, fig. 16); paralectotypes MCZ 45167.
- angusta* Cooke and Pilsbry [in] Pilsbry and Cooke, *Nesopupa (Limbatipua) newcombi* 1920, MofC (2) 25: 315, 309, fig. 4 (Kauai; Kipu). Holotype BPBM 20227; paratypes MCZ 78507.
- annosa* Cooke, *Amastra (Amastrilla) rugulosa* 1917, BPBM *Occ. Pap.* 3 (3): 230, pl. A, fig. 9 (Kauai; Hanamaulu plains south of Wailua River; Pleistocene). Holotype and paratypes [listed as cotypes] BPBM 41998; paratypes MCZ 97592.
- anthonii* Newcomb, *Achatinella* 1861, PCANS 2: 93 (Kauai); 1866, AJC 2: 210, pl. 13, fig. 2. Lectotype, here selected, CU 29905A is the figured type, so marked; paralectotypes CU 29905; MCZ 141330; not found in ANSP by Baker (1963).
- antiqua* Baldwin, *Amastra (Amastra)* 1895, PANSP 47: 233, pl. 11, fig. 47 (Oahu; Ewa). Figured holotype ANSP 65716a, *teste* Baker (1963: 197).
- antiqua* Cooke and Pilsbry [in] Pilsbry and Cooke, *Lyropupa* 1920, MofC (2) 25: 250, pl. 21, figs. 8, 9, 11 (Oahu; Manoa in Pleistocene deposits along the Upper Manoa Road). Holotype BPBM 11047 (fig. 11); paratypes MCZ 78760.
- antiqua* Pease, *Leptachatina* 1870, JdeC 18: 94 (Kauai); Crosse, 1876, JdeC 24: 97, pl. 3, fig. 6. Holotype in MNHN, *teste* Fischer-Piette (1950: 149).
- apicata* 'Newcomb' Pfeiffer, *Achatinella* 1856, PZS 23: 210 ([Oahu]). Lectotype BMNH 1992194/1 selected by Welch (1942, *Smithsonian Miscellaneous Collections* 103(1): 152, pl. 11, fig. 2); paralectotype BMNH 1992194/2; paralectotypes CU 30135.
- aplustre* Newcomb, *Achatinella* 1854, PZS 21: 147 (preprint p. 21), pl. 23, fig. 51 (Oahu; Kolau [Koolau]). Is *A. johnsoni* Newcomb, *teste* Newcomb (1858: 330). Lectotype, here selected, BMNH 1992222 is the figured and only type, *teste* Welch; not found in CU by Clarke (1960: 146); not in MCZ.
- arbores* Sykes, *Leptachatina* 1900, *Fauna Hawaïensis* 2(4): 357, pl. 11, fig. 21 (Hawaii; Kona at 4,000 feet, Perkins; Olaa, Hilo, Baldwin). Lectotype, here selected, BMNH 1900.12.18.550 is the figured type, so labelled; paralectotypes BMNH 1900.12.18.551-555; BPBM 14918, *teste* Cooke (1918: 292); MCZ 202598 from Olaa ex Thaanum and 174022 from Hilo ex Putzeys collection.
- arenarum* Pilsbry and Cooke, *Anastra (Cyclamastra) umbilicata* 1914, MofC (2) 23: 23, pl. 2, figs. 1-4 (Molokai; sand dunes of Moomomi; Pleistocene). Syntypes BPBM 74000; ANSP [no number] and MCZ 97607.
- armatus* Mighels, *Bulinus* 1845, PBSNH 2: 19 (Hawaii). Lectotype MCZ 177001 selected by Johnson (1949, OPM 1: 221, pl. 27, fig. 15); paralectotypes MCZ 156034.
- arnemani* Welch, *Achatinella bulinoides* 1958, PANSP 110: 174, pl. 13, figs. 4-6 (Oahu; Punaluu-Kahana Ridge). Holotype ANSP 192553 (fig. 4); paratype MCZ 170044 (fig. 6), from Kahana.
- aspera* Baldwin, *Laminella* 1908, *Nautilus* 22: 68 (West Maui; Wailuku Valley). Holotype ANSP 104693a figured by Hyatt and Pilsbry (1911, MofC (2) 21: 197, pl. 53, fig. 10), *teste* Baker (1963: 197); paratypes MCZ 97669.
- assinilis* Newcomb, *Achatinella* 1854, PZS 21: 148 (preprint p. 22), pl. 23, fig. 53 (West Maui [Maui]). Lectotype, here selected, BMNH 1992259/1 is the figured type, so marked; paralectotypes BMNH 1992259/2; CU 29907; MCZ 142903.
- attenuata* Cooke, *Leptachatina (Leptachatina)* 1911, MofC (2) 21: 69, pl. 7, figs. 45, 46 (Kauai; Haleieie, Makaweli, Waiaakoali, Ekuuala, Hanalei). Holotype BPBM 12012; paratypes MCZ 97682 from Haleieie.
- attenuatus* Cooke and Pilsbry [in] Pilsbry and Cooke, *Tornatellides* 1915, MofC (2) 23: 219, pl. 48, figs. 3, 4 (Oahu; Manoa; fossil). Holotype BPBM 14134; paratypes MCZ 97512.
- augusta* Smith [in] Gulick and Smith, *Achatinella* 1873, PZS for 1873: 74, pl. 9, fig. 7 (Oahu; Waialae, also in Waulupe and Palolo). Lectotype, here selected, BMNH 1992199/1 is the figured type, *teste* Welch; paralectotypes BMNH 1992199/2; MCZ 159662 from Waialae, 159657 and 159658 both from Waulupe, and 159660 from Palolo.
- aurantium* Pilsbry and Cooke, *Laminella gravida* 1915, MofC (2) 23: 54, pl. 1, figs. 3-5 (Oahu; above Waiahole; Thaanum [and other localities]). Lectotype ANSP 109904a (fig. 4) selected by Baker (1963: 197); paralectotypes MCZ 31202 and 190962 both ex Thaanum.
- aurora* Pilsbry and Cooke, *Amastra (Cyclamastra) obesa* 1914, MofC (2) 23: 18, pl. 4, figs. 9-12 (East Maui; Awaahi, at about 4,200 feet elevation; Thaanum). Lectotype ANSP 109830a (fig. 9) selected by Baker

- (1963: 197); paralectotypes MCZ 97614 ex Cooke and 125312 ex Thaanum.
- aurostoma* Baldwin, *Amastra*
1896, *Nautilus* 10: 31 (Lanai). Syntypes ANSP [no number] figured by Hyatt and Pilsbry (1911, MofC (2) 21: 240, pl. 26, figs. 13, 14); [holotype] ANSP 68874a [which type not indicated], *teste* Baker (1963: 198); [paratypes] MCZ 135769.
- auwahiensis* Pilsbry and Cooke, *Amastra* (*Heteramastra*) *subrosor*
1914, MofC (2) 23: 48, pl. 5, figs. 8–10 (East Maui: Auwahi, at 4,200 ft.; Thaanum). Lectotype ANSP 109836a (fig. 8) selected by Baker (1963: 197); paralectotypes MCZ 97614 ex Cooke; 31184 and 125310 both ex Thaanum.
- avis* Pilsbry and Cooke, *Leptachatina oryza*
1915, MofC (2) 23: 5, pl. 10, figs. 12–16 (Molokai: sand dunes of Moomoo; Pleistocene). Lectotype ANSP 108982a (fig. 12) selected by Baker (1963: 197); paralectotype MCZ 97684.
- bacca* Pease, *Vertigo*
1871, PZS for 1871: 462 (Hawaii: Kalapana [Puna District]). Specimens lost, *teste* Pease.
- badia* Baldwin, *Amastra* (*Amastra*)
1895, PANSP 47: 230, pl. 11, fig. 40 (Oahu: Ewa). Figured type in Baldwin collection, not found in BPBM, but 4 syntypes BPBM 55535, *teste* Kroslovitz (personal communication); not found in ANSP by Baker (1963).
- baileyna* Gulick, *Achatinella*
1856, ALNHNY 6: 202, pl. 7, figs. 31a, b (Maui: Wailuku Mountain). Holotype MCZ 39862 (fig. 31a); paratype MCZ 39860 (fig. 31b is variety b); paratypes MCZ 136543–136545.
- baldwini* Ancy, *Helicina*
1904, PMSL 6: 126, pl. 7, fig. 24 (Kauai: Kipu). Syntypes MCZ 191041.
- baldwini* Ancy, *Nesopupa*
1904, PMSL 6: 122, pl. 7, fig. 13 (Molokai; Maui: Kaupakalua). Holotype BPBM 18698 from Kaupakalua, *teste* Cooke and Pilsbry (1920: 287); paratypes MCZ 78790 and 199563.
- baldwiniana* Cooke [in] Pilsbry and Cooke, *Lyropupa rhabdota*
1920, MofC (2) 25: 241, pl. 20, figs. 7, 8 (West Maui: Iao). Holotype BPBM 11042; paratypes MCZ 78753.
- baldwiniana* Pilsbry [in] Hyatt and Pilsbry, *Amastra* (*Amastra*)
1911, MofC (2) 21: 292, pl. 43, figs. 4, 5 (West Maui: Wailuku). Lectotype ANSP 104719a (fig. 4) selected by Baker (1963: 197); paralectotype MCZ 97647.
- baldwini* Newcomb, *Achatinella*
1854, PZS 21: 155 (preprint p. 29), pl. 24, fig. 72 (Ranai [Lanai]). Is *A. magna* C. B. Adams, *teste* Newcomb (1858: 319). Syntypes MCZ 141484, 141485, and 294958. Not located in BMNH by Naggs (personal communication), or in CU [not numbered] by Clarke (1960: 146); syntypes BMNH 1995101 and CU ex MCZ 294958.
- balteata* Pease, *Leptachatina*
1870, JdeC 18: 91 (Kauai: [Waimea]); Crosse, 1876, JdeC 24: 97, pl. 4, fig. 4. Holotype in MNHN, *teste* Fischer-Piette (1950: 149); paratypes MCZ 142986.
- balteata* Pilsbry and Cooke, *Partulina* (*Perdicella*) *helena*
1912, MofC (2) 22: 17, pl. 4, fig. 7 ([Molokai: Kahanui]). Holotype ANSP 109053a, *teste* Baker (1963: 193); paratypes MCZ 190508.
- bernicia* Pilsbry and Cooke, *Helicina*
1908, BPBM Occ. Pap. 3 (2): 207, fig. 11 (Kauai: Limahuli; fossil). Holotype BPBM 14909; paratypes MCZ 191038.
- beta* Pilsbry and Cooke, *Helicina laciniosa*
1908, BPBM Occ. Pap. 3 (2): 202, fig. 4 (Oahu: Kapalama). Holotype BPBM 14903; paratypes MCZ 191099.
- bicolor* Jay, *Achatina*
1839, *Catalogue of Shells*, 3d ed., p. 119, pl. 6, fig. 3 ([Kauai]). Figured holotype AMNH 56094 from Jay 5203, *teste* Richards and Old (1969: 15); paratype MCZ 181208 ex AMNH.
- bicolor* 'Gulick' Pfeiffer, *Achatinella*
1859, *Monographia Heliceorum Viventium* 4: 529 (Oahu: Lehu). Syntypes MCZ 39899 ex Gulick collection 94 and 159680 ex Gulick collection 1433; the "holotype" figured by Welch (1938: 97, pl. 9, fig. 1) BMNH [no number]; not located in BMNH by Naggs (personal communication).
- bigener* Hyatt [in] Hyatt and Pilsbry, *Amastra* (*Amastra*) *affinis*
1911, MofC (2) 21: 300, pl. 44, figs. 7, 8 (Maui: [Kula]). Lectotype ANSP 57685a (fig. 7) selected by Baker (1963: 197); paralectotypes MCZ 136884 and 136888; both ex Gulick collection 588.
- biplicata* Newcomb, *Achatinella*
1854, PZS 21: 156 (preprint p. 30), pl. 24, fig. 75 (Ranai [Lanai]). Lectotype, here selected, BMNH 1992246/1 is the figured type; paralectotypes BMNH 1992246/2; CU 29912; MCZ 141486 and 294953.
- boettgeri* Cooke and Pilsbry [in] Pilsbry, *Pronesopupa* (*Pronesopupa*)
1920, MofC (2) 26: 8, pl. 1, fig. 17 (Oahu: Tantalus). Holotype BPBM 11030; paratypes MCZ 78815.
- borcherdingi* Hyatt and Pilsbry, *Amastra* (*Amastra*)
1911, MofC (2) 21: 266, pl. 41, figs. 1–4; pl. 40, figs. 2–6 (Molokai). Lectotype ANSP 57714a (fig. 1) selected by Baker (1963: 197); paralectotypes MCZ 154727 ex BSNH 13446.
- breviata* Baldwin, *Amastra* (*Amastra*)
1895, PANSP 47: 231, pl. 11, figs. 45, 46 (Oahu: Palolo, Halawa). Figured holotype ANSP 65723a (fig. 45), *teste* Baker (1963: 197); paratypes MCZ 135765.
- brevicula* Pease, *Heliceter* (*Leptachatina*)
1869, JdeC 17: 169 (Kauai). Measured holotype

- and paratype in MNHN, *teste* Fischer-Piette (1950: 72); paratype ANSP 57802 figured by Cooke (1910, MofC (2) **21**: 24, pl. 8, fig. 54); paratype MCZ 45195.
- brevis* Cooke, *Leptachatina* (*Leptachatina*) *pachystoma*
1910, MofC (2) **21**: 52, pl. 8, fig. 53 (Kauai: Haleieie). Holotype BPBM 12007; paratypes MCZ 202463 ex Thaanum.
- brunnea* Smith [in] Gulick and Smith, *Auriculella*
1873, PZS for 1873: 88, pl. 10, fig. 23 (Molokai; Lanai). Holotype only, MCZ 39915 from Molokai.
- brunneus* Cooke and Pilsbry [in] Pilsbry and Cooke, *Tornatellides*
1915, MofC (2) **23**: 238, pl. 51, figs. 5, 6 (Oahu: Nuuanu near the Pali). Holotype BPBM 36266; paratype MCZ 97511.
- buddii* Newcomb, *Achatinella*
1854, PZS **21**: 155 (preprint p. 29), pl. 24, fig. 73 (Oahu: Palolo). Lectotype, here selected, BMNH 1992231/1 is the figured type, *teste* Welch; paralectotypes BMNH 1992231/2; CU 29912; MCZ 294933 and 315851.
- bulbosa* Gulick, *Achatinella*
1858, ALNHNY **6**: 253, pl. 8, fig. 71 (East Maui: Honuaula [and] Kula). Holotype MCZ 39886; paratypes MCZ 136637 and 159729; *all* from Kula.
- cacuminis* Pilsbry and Cooke, *Auriculella diaphana*
1915, MofC (2) **23**: 77, pl. 24, figs. 11, 12 (Oahu: head of Kalihi-Moana-lua ridge, Mauna Kope). Figured holotype ANSP 108277a, *teste* Baker (1963: 193); paratypes MCZ 31187 and 73046.
- caduca* Mighels, *Succinea*
1845, PBSNH **2**: 21 (Oahu). Lectotype MCZ 39645 selected by Johnson (1949, OPM **1**: 221, pl. 27, fig. 16).
- caesia* Gulick, *Achatinella*
1858, ALNHNY **6**: 234, pl. 8, fig. 53 (Oahu: Wai-mea). Holotype only, MCZ 39869.
- caesiopicta* Welch, *Achatinella bulimoides*
1954, PANSP **106**: 95, pl. 2, figs. 14–19 (Oahu: Kawailoa). Holotype ANSP 92486 (fig. 16); paratypes ANSP 92486 (figs. 17, 17a, b); [paratype] MCZ 170192 (fig. 14).
- canaliculata* Baldwin, *Achatinella* (*Newcombia*)
1895, PANSP **47**: 226, pl. 10, figs. 28, 29 (Molokai: Halawa). Figured syntypes ANSP 65713; [holotype] ANSP 65713a [which type not indicated], *teste* Baker (1963: 193); [paratypes] ANSP 65713 and MCZ 190529.
- candida* Pilsbry and Cooke, *Partulina* (*Baldwinia*) *homeri*
1913, MofC (2) **22**: 108, pl. 17, figs. 3, 4 (Hawaii: above Kukuihalele [name and type locality on plate caption]); 1914, *Ibid.*, p. 365, pl. 54, fig. 12. Lectotype ANSP 108203a (pl. 17, fig. 3) selected by Baker (1963: 193); paralectotypes MCZ 190885.
- canella* Gould, *Succinea*
1846, PBSNH **2**: 184 (Maui); 1852, USEE **12**: 27, pl. 2, figs. 20, 20a, b; 1862, *Otia Conch.*, p. 29.
- Holotype USNM 5420; paratypes MCZ 169072 and 161661.
- caperata* Gould, *Vitrina*
1846, PBSNH **2**: 181 (Kauai); 1852, USEE **12**: 10, pl. 1, figs. 9, 9a; 1862, *Otia Conch.*, p. 26. Holotype USNM 5409; paratypes MCZ 135612.
- capillata* Pease, *Helix*
1866, AJC **2**: 292 (Sandwich [Hawaiian] Islands); 1871, PZS for 1871: 474 as *Pitys* (Maui). Lectotype ANSP 1975a [now 1975] selected by Solem (1976: 368 [not figured]), is the measured type, *teste* Baker (1963: 232), figured by Johnson (1994: BMCZ **154**: 8, pl. 2, fig. 1); paralectotypes MCZ 17585.
- capitosa* Cooke, *Leptachatina* (*Leptachatina*)
1910, MofC (2) **21**: 29, pl. 11, fig. 12 (Oahu: Wai-anae Mts., back of Leilehua). Holotype BPBM 12079; paratype MCZ 97689.
- carbonaria* Ancey, *Lyropupa*
1904, PMSL **6**: 125, pl. 7, fig. 21 (Oahu: Nuuanu [Valley, near Honolulu], Honolulu). Holotype [in] BPBM 18752, *teste* Cooke and Pilsbry (1920: 236); paratypes MCZ 9600 and 141163.
- carinata* Gulick [in] Gulick and Smith, *Amastra*
1873, PZS for 1873: 83 [not figured] (West Maui: Wailuku). Holotype MCZ 39889; paratypes MCZ 136906. Is *Achatinella obesa agglutinans* Newcomb, *teste* Gulick and Smith (1873: 83).
- carinella* Baldwin, *Newcombia*
1906, *Nautibus* **19**: 136 (East Maui: Nahiku). Syntypes ANSP 109052 figured by Pilsbry and Cooke (1912, MofC (2) **22**: 57, pl. 2, figs. 1–3); [holotype] ANSP 109052a [which type not indicated], *teste* Baker (1963: 193).
- carnicolor* Baldwin, *Partulina*
1906, *Nautibus* **19**: 112 (East Maui: Nahiku). Syntypes ANSP 110079 figured by Pilsbry and Cooke (1912, MofC (2) **22**: 58, pl. 12, figs. 13, 14); [holotype] ANSP 110079a [which type not indicated], *teste* Baker (1963: 193); [paratypes] MCZ 135725.
- casta* Ancey, *Succinea*
1899, PMSL **3**: 272, pl. 12, fig. 10 (Hawaii: Olaa). Holotype BPBM 18982; paratypes MCZ 190646.
- casta* Newcomb, *Achatinella*
1854, PZS **21**: 134 (preprint p. 8), pl. 22, fig. 12 (Oahu: Ewa. Its northern limit is the valley below Mouna [Mauna] Rua, and half a dozen ravines, south, in the district of Ewa). Lectotype, here selected, BMNH 1992215/1 is the figured type, *teste* Welch; paralectotypes BMNH 1992215/2; CU 29920; MCZ 294924.
- castanea* Reeve, *Achatinella*
1850, *Conchologia Iconica* **6**, *Achatinella*, pl. 3, species 24 (Sandwich [Hawaiian] Islands; Cuming collection). Lectotype, here selected, BMNH 1992196/1 is the figured type, *teste* Welch; paralectotypes BMNH 1992196/2; MCZ 298276 ex Cuming.
- cepulla* Gould, *Succinea* [*Helisaga*]
1846, PBSNH **2**: 182 (Hawaii); 1852, USEE **12**: 16, pl. 2, figs. 15, 15a, b; 1862, *Otia Conch.*, pp. 27,

244. Syntype USNM 5415, smaller than measured type; syntypes MCZ 39646, 169114, and 216754. *cerealis* Gould, *Achatinella* [*Leptachatina*]
1847, PBSNH 2: 201 (Oahu: Waianai [Waianae]); 1852, USEE 12: 90, pl. 7, fig. 99a; 1862, *Otia Conch.* pp. 35, 244. Holotype USNM 5501; not in MCZ.
- cervina* Gulick, *Achatinella*
1858, ALNHNY 6: 241, pl. 8, fig. 62 (Oahu: Kahana). Holotype only, MCZ 39835.
- cestus* Newcomb, *Achatinella*
1854, PZS 21: 132 (preprint p. 7), pl. 22, fig. 8 (Oahu: Palolo). Lectotype BMNH 1992188/1 is the figured type, selected and refigured by Welch (1942, SMC 103(1): 31, pl. 4, fig. 9); paralectotypes BMNH 1992188/2; CU 29925; MCZ 25497 and 294947.
- cicercula* Gould, *Helix* [*Corasia*]
1846, PBSNH 2: 171 (Hawaii); 1852, USEE 12: 43, pl. 5, figs. 73, 73a-c; 1862, *Otia Conch.*, pp. 20, 243. Holotype USNM 20948; paratypes MCZ 16980.
- cincta* Ancey, *Tornatellina*
1903 [1904], JdeC 51: 297, pl. 12, figs. 5, 6 (East Maui: Makawao, Kaupakalua; West Maui: vallée d'Iao; Oahu; Molokai). Lectotype BPBM 18500 from Makawao selected by Cooke [in] Pilsbry and Cooke (1916, MofC (2) 23: 263, pl. 55, fig. 1); paralectotypes MCZ 165799 from Kaupakalua. Cowie, Evenhuis, and Christensen (1995: 82), finding paralectotypes under the same number as the figured lectotype, instead of merely recataloging them, regard the lectotype selection itself as invalid, which it will be if the figured specimen cannot be identified.
- cindrella* Hyatt [in] Hyatt and Pilsbry, *Amastra affinis*
1911, MofC (2) 21: 300, pl. 45, figs. 1, 2 (Maui: Kula). Figured syntypes MCZ 136882 ex Gulick collection 1546.
- cingula* Mighels, *Achatinella*
1845, PBSNH 2: 21 (Oahu). Syntypes Jay collection 5207 and Newcomb collection. Not located by Johnson (1949: 224), or subsequently.
- citrina* 'Mighels' Pfeiffer, *Achatinella*
1848, *Monographia Helicorum Viventium* 2: 234 ([Molokai]). Lectotype MCZ 156493 selected by Johnson (1949, OPM 1: 224, pl. 27, fig. 14); paralectotypes MCZ 156492.
- clathratula* Ancey, *Lyropupa*
1904, PMSL 6: 125, pl. 7, fig. 19 (Hawaii: Olaa). Holotype BPBM 18742, *teste* Cooke and Pilsbry (1920: 245); paratypes MCZ 87851.
- clausinus* Mighels, *Bulimus*
1845, PBSNH 2: 20 (Hawaii). Not located by Johnson (1949: 224).
- cochlea* Reeve, *Achatina*
1849, *Conchologia Iconica* 5, *Achatina*, pl. 1, species 5 (Peru [Kauai]; Cuming collection). The figured type not located in BMNH by Naggs (personal communication); syntypes MCZ 156148 and 156149, both ex Cuming.
- cognata* Gulick, *Achatinella*
1858, ALNHNY 6: 240, pl. 8, fig. 60 (Oahu: Hakupu, Waikane). Holotype MCZ 39841; paratype MCZ 40159; both from Hakupu.
- compacta* Pease, *Heliciter* [*Labiella*]
1869, JdeC 17: 172 (Maui: [Palaua]). Lectotype MCZ 45196, selected by Johnson (1994, BMCZ 154: 9, pl. 4, fig. 5); paralectotypes MCZ 298489.
- compacta* Pease, *Limnaea*
1870, AJC 6: 6, pl. 3, fig. 4 (Oahu). Syntypes MCZ 302381; not located in ANSP by Baker (1964: 151). Is *Physa mexicana* Philippi [introduced], *teste* D. W. Taylor (Johnson, 1994, BMCZ 154: 8).
- compta* Pease, *Heliciter* (*Partulina*)
1869, JdeC 17: 175 (Molokai). Holotype in MNHN figured by Fischer-Piette (1950, JdeC 90: 73, fig. 54); paratypes MCZ 25826 and 25828.
- concidens* Gulick, *Achatinella*
1858, ALNHNY 6: 234, pl. 8, fig. 54 (Oahu: Waimea). Holotype only, MCZ 39817.
- concinna* Newcomb, *Achatinella*
1854, PZS 21: 157 (preprint p. 31), pl. 24, fig. 79 (Ranai [Lana'i]). Lectotype, here selected, BMNH 1992267/1 is the figured type; paralectotypes BMNH 1992267/2; CU 29932; MCZ 294973.
- concolor* Cooke, *Leptachatina* (*Leptachatina*)
1910, MofC (2) 21: 31, pl. 6, figs. 9, 10 (Molokai: Kamalo). Holotype BPBM 12038; paratypes MCZ 202515 and 202516.
- concolor* Smith [in] Gulick and Smith, *Achatinella*
1873, PZS for 1873: 75, pl. 9, fig. 1 (Oahu: Ewa). Holotype only, MCZ 39875.
- conica* Baldwin, *Amastra*
1906, *Nautibus* 19: 137 (Hawaii: Hamakua). Syntype [no number] Baldwin collection figured by Hyatt and Pilsbry (1911, MofC (2) 21: 313, pl. 47, fig. 8); [holotype] ANSP I04711a *teste* Baker (1963: 197).
- conicospira* Smith [in] Gulick and Smith, *Amastra*
1873, PZS for 1873: 86, pl. 10, fig. 10 ([Oahu]). Holotype only, *teste* Smith, MCZ 39894.
- conifera* Smith [in] Gulick and Smith, *Amastra*
1873, PZS for 1873: 85, pl. 10, fig. 11 (East Maui: Kula). Holotype MCZ 39896; paratypes MCZ 136857 figured by Hyatt and Pilsbry (1911, MofC (2) 21: 303, pl. 45, figs. 12, 13).
- coniformis* Gulick [in] Gulick and Smith, *Apex*
1873, PZS for 1873: 80, pl. 9, fig. 23 (Oahu: Kalaikoa and Ahonui, very rare in Wahiawa and Helemano). Holotype MCZ 39911; paratypes MCZ 147161 and 147163; all from Ahonui; paratypes MCZ 147162 from Kalaikoa.
- consanguinea* Smith [in] Gulick and Smith, *Achatinella*
1873, PZS for 1873: 73, pl. 9, fig. 3 (Oahu: Ahui-manu). Holotype only, MCZ 39875.
- contigua* Pease, *Melania*
1870, AJC 6: 7 (Kauai). Lectotype MCZ 74887, selected by Johnson (1994, BMCZ 154: 9, pl. 4, fig. 19); paralectotypes MCZ 298908; not located in ANSP by Baker (1964: 151).

- contracta* Gulick, *Achatinella*
1855, ALNHNY 6: 239, pl. 8, fig. 59 (Oahu: Kaawa [Kaaawa], Hauula). Holotype only, MCZ 39852 from Kaawa.
- cookei* Baldwin, *Achatinella* (Apex)
1895, PANSF 47: 220, pl. 10, fig. 15 (Oahu: Waiau, Ewa). Lectotype ANSP 65692 selected by Welch (1942, SMC 103(1): 76, pl. 7, fig. 8); improperly regarded as invalid by Baker (1963: 194).
- cookei* Cockerell, *Endodonta* (*Thaumatodon*)
1933, *Nautilus* 47: 58 (Oahu: on a dead tree-fern on Mt. Tantalus [Koolau Mts.]). Holotype ANSP 158523 studied but not figured by Solem (1976: 213); paratype MCZ 106309.
- cookei* Pilsbry, *Leptachatina*
1914, *Nautilus* 28: 61 (Oahu: Kawaihapai, the bluff is the last terrace of the Waianae Mountains). Lectotype ANSP 110593a, first set of dimensions, selected by Baker (1963: 197); paralectotype MCZ 97702 ex Cooke.
- cooperi* Baldwin, *Partulina*
1906, *Nautilus* 19: 135 (East Maui: Hana). Syntype figured by Pilsbry and Cooke (1912, MofC (2) 22: 72, pl. 19, fig. 12); [holotype] ANSP 110087a, *teste* Baker (1963: 194).
- cornea* Newcomb, *Achatinella*
1854, PZS 21: 141 (preprint p. 15), pl. 23, fig. 32 (Oahu: Waialua). Lectotype, here selected, BMNH 1992249/1 is the figured type; paralectotypes BMNH 1992249/2; CU 29933; MCZ 294929.
- corrugata* Gulick, *Achatinella*
1858, ALNHNY 6: 248, pl. 8, fig. 66 (Oahu: Hakupu). Holotype MCZ 39857; paratypes MCZ 147066.
- costata* Pease, *Vertigo*
1871, PZS for 1871: 461 (Hawaii: [Kona]). Listed as an undetermined species by Pilsbry and Cooke (1920: 272). Holotype MCZ 45238, *teste* Cooke on label; figured by Johnson (1994, BMCZ 154: 10, pl. 2, fig. 20); not MCZ 45327, which is a *Goniobasis* as mentioned by Pilsbry and Cooke (1926: 224).
- costulata* Gulick, *Achatinella*
1856, ALNHNY 6: 177, pl. 6, fig. 5 (Oahu: Pupukea, Waimea, and Kawailoa). Holotype MCZ 39825; paratypes MCZ 45202 and 136991; *all* from Pupukea; paratypes MCZ 136992 from Waimea and MCZ 136990 from Kawailoa.
- costulosa* Pease, *Leptachatina*
1870, JdeC 18: 90 (Kauai); Crosse, 1876, JdeC 24: 97, pl. 3, fig. 4 (Kauai: [Molooa]). Holotype in MNHN, *teste* Fischer-Piette (1950: 149); paratype MCZ 45191.
- costulosa* Pease, *Vertigo*
1871, PZS for 1871: 462 (Hawaii). Lectotype ANSP 57806 selected by Johnson (1994, BMCZ 154: 10, pl. 2, fig. 22); paralectotypes MCZ 32294; not located in BMNH, *teste* Mordon (personal communication).
- crassa* Newcomb, *Achatinella*
1854, PZS 21: 155 (preprint p. 29), pl. 24, fig. 71 (Ranai [Lanai]). Lectotype, here selected, BMNH 1992233/1 is the figured type; paralectotypes BMNH 1992233/2; CU 29936; MCZ 294943.
- crassilabrum* Newcomb, *Achatinella*
1854, PZS 21: 141 (preprint p. 15), pl. 23, fig. 31 (Oahu: Waianoe [Waianae]). Lectotype, here selected, BMNH 1992248/1 is the figured type; paralectotypes BMNH 1992248/2; CU 29940; MCZ 294939 and 294975.
- crassula* Smith [in] Gulick and Smith, *Auriculella*
1873, PZS for 1873: 88, pl. 10, fig. 22 (East Maui: Makawao). Holotype only, MCZ 39914.
- crocea* Gulick, *Achatinella*
1856, ALNHNY 6: 210, pl. 7, fig. 36 (Maui: Wahee). Holotype only, MCZ 39846.
- cryptoportica* Gould, *Helix* [*Corasia*]
1846, PBSNH 2: 171 (hab.?). 1852, USEE 12: 44, pl. 5, figs. 72, 72a-c (Oahu); 1862, *Otia Conch.*, pp. 20, 243. Lectotype USNM 5474; paralectotypes MCZ 169110.
- crystallina* Gulick, *Achatinella*
1856, ALNHNY 6: 186, pl. 6, fig. 14 (Oahu: Mokualeia). Holotype MCZ 29831; paratypes MCZ 45204.
- cucumis* Gulick, *Achatinella*
1856, ALNHNY 6: 225, pl. 7, fig. 45 (Oahu: Kalihi). Holotype only, MCZ 39844, is variety b.
- cumingi* Newcomb, *Achatinella*
1853, ALNHNY 6: 25 (Maui: Hale-a-ka-la); 1854, PZS 21: 150 (preprint p. 24), pl. 24, fig. 79. Lectotype, here selected, BMNH 1992224/1 is the figured type, so marked; paralectotypes BMNH 1992224/2; CU 29941; MCZ 25917, 135507, and 294930.
- cumingiana* Pfeiffer, *Spiraxis*
1855, PZS 23: 106, pl. 32, fig. 1 (Kauai [Kauai]; Newcomb, Cuming collection). The figured type not located in BMNH by Naggs (personal communication); syntypes BMNH 1996009; possible syntypes MCZ 57120 ex Newcomb.
- curta*, Newcomb, *Achatinella*
1854, PZS 21: 144 (preprint p. 18), pl. 23, fig. 43 (Oahu: Waialua). Lectotype, here selected, BMNH 1992217/1 is the figured type, so marked; paralectotypes BMNH 1992217/2; CU 29942; MCZ 294963.
- cyclostoma* Baldwin, *Amastra* (*Amastra*)
1895, PANSF 47: 234, pl. 11, fig. 53 (Kauai: Makaweli). Figured holotype ANSP 65724a, *teste* Baker (1963: 197); paratype MCZ 45258.
- cylindrata* Cooke and Pilsbry [in] Pilsbry and Cooke, *Lygropupa perlonga*
1920, MofC (2) 25: 261, pl. 23, fig. 8 (Oahu: Makua). Holotype BPBM 11054; paratypes MCZ 78767.
- cylindrata* Pease, *Helicter* (*Leptachatina*)
1869, JdeC 17: 168 (Kauai). Lectotype ANSP 57806 selected by Johnson (1994, BMCZ 154: 11), is the syntype figured by Cooke (1910, MofC (2) 21: 18, pl. 8, figs. 63, 64); paralectotypes in MNHN, *teste* Fischer-Piette (1950: 72).

cylindrella Cooke, *Leptachatina* (*Leptachatina*) *pachystoma*

1910, MofC (2) 21: 51, pl. 8, fig. 49 (Kauai: Haleieie). Holotype BPBM 12056; paratypes MCZ 97681 ex Cooke and 202464 ex Thaanum.

cylindrica Newcomb, *Achatinella*

1854, PZS 21: 134 (preprint p. 5), pl. 22, fig. 11 (Oahu: Waianoe [Waianae]). Lectotype, here selected, BMNH 1992239/1 is the figured type; paralectotypes BMNH 1992239/2; CU 29943; MCZ 141438 and 294952.

cyphostyla Ancey, *Tomatellina*

1904, JofM 11: 70, pl. 5, figs. 22, 23 (Hawaii: Hamakua District, Palihonkapapa, on the Hamakua slope of Mauna Kea, at an elevation of 4000 feet). "Type" BPBM 18425, *teste* Pilsbry and Cooke (1915: 219); paratypes MCZ 97520.

cyra Cooke and Pilsbry [in] Pilsbry and Cooke, *Lyr-opupa*

1920, MofC (2) 25: 268, pl. 23, figs. 9, 10 (Hawaii: Mana: fossil). Figured syntypes BPBM 11060 (fig. 9) and ANSP 119441 (fig. 10); syntypes MCZ 78774.

decepta C. B. Adams, *Achatinella*

1851, *Contributions to Conchology* (8): 127 (Sandwich [Hawaiian] Islands). Lectotype MCZ 156040 selected by Johnson and Boss (1972, OPM 3: 197, pl. 42, fig. 9); paralectotypes MCZ 278340.

deceptis Newcomb, *Achatinella*

1854, PZS 21: 153 (preprint p. 27), pl. 24, fig. 68 (Oahu: Kahana). Lectotype, here selected, BMNH 1992230/1 is the figured type, *teste* Welch; paralectotypes BMNH 1992230/2; CU 29944; MCZ 294926.

decorata Pilsbry and Cooke, *Newcombia cinnamomea*

1912, MofC (2) 22: 12, pl. 14, figs. 2–4 (Molokai: Ahaino and Kupeke). Lectotype ANSP 110072a (fig. 3) selected by Baker (1963: 194); paralectotypes MCZ 190546 from Ahaino, 190544 and 190545 both from Kupeke.

decorticata Gulick [in] Gulick and Smith, *Amastra*

1873, PZS for 1873: 84, pl. 10, fig. 14 (Oahu: metropolis of the species is Kawailoa. It is also found in Helemano, Opaiula, Waimea, Waialei, and Kahuku). Holotype MCZ 39892; paratypes MCZ 40271, 39890, and 136648; all from Kawailoa.

decussatula Pease, *Helix*

1866, AJC 2: 291 (Sandwich [Hawaiian] Islands); 1871, PZS for 1871: 474 as *Pitys* (Molokai). Specimens identified by Pease [idiotypes] MCZ 17273 and 17274 from Waimea or Wahimi, Kauai; not located in ANSP by Baker (1963: 232) or elsewhere by Solem (1976: 377).

delicata Ancey, *Succinea*

1889, BSMF 6: 243 (East Maui). Syntypes [labeled paratypes] BPBM 19026; syntypes MCZ 214169.

delicata Cooke, *Amastra* (*Cyclamastra*)

1933, BPBM *Occ. Pap.* 10(6): 7, pl. 1, fig. 2 (Kauai: Nonou Mts., in high valley just west of peak, 700–900 feet elevation). Figured holotype and paratypes

[listed as cotypes] BPBM 10770; paratypes MCZ 97594.

delta Gulick, *Achatinella*

1858, ALNHNY 6: 231, pl. 8, fig. 50 (Oahu: Kalaikoa, Ahonui, Wahiawa and Helemanu [Helemano]). Holotype only, MCZ 39868 from Wahiawa.

delta Pilsbry and Cooke, *Helicina laciniosa*

1908, BPBM *Occ. Pap.* 3(2): 201, fig. 2 (Kauai: Ekaula, below Puukapele). Holotype BPBM 14901; paratypes MCZ 191095.

dentata Pease, *Tomatellina*

1871, PZS for 1871: 460 (Hawaii). Lectotype MCZ 28918 selected by Johnson (1994, BMCZ 154: 11, pl. 4, fig. 9); paralectotypes MCZ 175730.

depicta Baldwin, *Laminella* (*Laminella*)

1895, PANSP 47: 228, pl. 11, figs. 33–35 (Molokai: Kamalo). Lectotype ANSP 65711a (fig. 35) selected by Baker (1963: 197); paralectotypes MCZ 174076.

dextroversa Pilsbry and Cooke, *Achatinella**(Bulinella) sowerbyana*

1914, MofC (2) 22: 179, pl. 35, figs. 8–13 (Oahu: Pupukea; Thaanum). Lectotype ANSP 105128a (fig. 10) selected by Baker (1963: 194); paralectotypes MCZ 31149 ex Thaanum.

diaphana Smith [in] Gulick and Smith, *Auriculella*

1873, PZS for 1873: 87, pl. 10, fig. 25 (Oahu: the typical forms are from Olomana and Kailua; also found in Palolo, Makiki, and Kalihii). Holotype MCZ 39909; paratypes MCZ 159509; both from Olomana.

dimondi C. B. Adams, *Achatinella*

1851, *Contributions to Conchology* (8): 126 ([Oahu]). Holotype MCZ 155950 figured by Johnson and Boss (1972, OPM 3: 200, pl. 42, fig. 6).

dimorpha Gulick, *Achatinella*

1858, ALNHNY 6: 236, pl. 8, fig. 56 (Oahu: Waimea, Pupukea, Waialea, and Kahuku). Holotype only, MCZ 39854 from Pupukea.

disjuncta Pilsbry and Cooke, *Nesopupa**(Limbatipupa) newcombi*

1920, MofC (2) 25: 317, 309, fig. 13 [actually figure 7] (Oahu: Mokuleia; Waianae Mts.). Holotype BPBM 17219; paratypes MCZ 78805.

dispersa Cooke and Pilsbry [in] Pilsbry and Cooke,*Nesopupa* (*Nesopupilla*)

1920, MofC (2) 25: 284, pl. 27, figs. 7, 8 (Oahu: Makua). Holotype BPBM 11066; paratypes MCZ 180159.

dissotropis Ancey, *Helicina*

1904, PMSL 6: 127, pl. 7, figs. 22, 23 (Oahu). Syntypes MCZ 191069.

distans Pease, *Helix*

1866, AJC 2: 290 (Sandwich [Hawaiian] Islands). Not located in ANSP by Baker (1963) or elsewhere by Johnson (1994: 12).

diversa Gulick, *Achatinella*

1856, ALNHNY 6: 220, pl. 7, figs. 42a, b (Oahu: Palolo, Waialea, Wailupe, and Niui). Holotype MCZ 39873 (fig. 41a) from Niui; paratype MCZ 39857 (fig. 42b is variety b) from Waialea.

dolei Baldwin, *Achatinella* (*Partulina*)

1895, PANSP 47: 221, pl. 10, figs. 17, 18 (Maui: Honomanu). Figured holotype ANSP 65690a (fig. 17), *teste* Baker (1963: 194); paratypes ANSP 65690, MCZ 58551 and 119068.

dubia Newcomb, *Achatinella*

1853, ALNHNY 6: 23 (Oahu); 1854, PZS 21: 152 (preprint p. 26), pl. 24, fig. 65 (Oahu: Waianae [Waianae]). Lectotype, here selected, BMNH 1992228/1 is the figured type; paralectotypes BMNH 1992228/2; CU 29953; MCZ 25797.

dubiosa C. B. Adams, *Achatinella tappaniana*

1851, *Contributions to Conchology* (8): 126 ([Maui]). Holotype MCZ 279303 figured by Johnson and Boss (1972, OPM 3: 215, pl. 40, fig. 5).

dubitabilis Cooke and Pilsbry [in] Pilsbry and Cooke, *Nesopupa* (*Infranesopupa*)

1920, MofC (2) 25: 291, pl. 28, fig. 9 (Molokai: Poholua, 2,500 feet elevation). Holotype BPBM 11068; paratypes MCZ 78797.

dulcis Cooke, *Leptachatina* (*Thaanumia*)

1911, MofC (2) 21: 85, pl. 13, figs. 8, 10 (East Maui: Ulupalakua [Ulupalakua], Makawao). Holotype BPBM 12084; paratype MCZ 97627.

duoplicata Baldwin, *Laminella*

1908, *Nautlius* 22: 68 (West Maui: Waichu Valley). Syntypes ANSP [no number] figured by Hyatt and Pilsbry (1911: 343, pl. 52, figs. 3–5); [holotype] ANSP 104692a (fig. 4), *teste* Baker (1963: 198); paratypes MCZ 97667.

duploincta Pilsbry and Cooke, *Achatinella apexfulva* 1914, MofC (2) 22: 323, pl. 55, figs. 6–8 ([Oahu]: "Wahiawa, Emerson, extinct?"). Figured syntype BPBM [no number] ex Cooke collection 1272 (fig. 8); figured syntypes MCZ 295306 (figs. 6, 7) ex Gulick collection 1213, from Oahu: Kawailoa, east side.

dwrightii Newcomb, *Achatinella*

1855, ALNHNY 6: 145 (Molokai); 1866, AJC 2: 213, pl. 13, fig. 9. Lectotype, here selected, CU 29957A is the figured type, so marked; paralectotypes CU 29957; not in MCZ; not located in ANSP by Baker (1963).

eburnea Gulick, *Achatinella*

1856, ALNHNY 6: 199, pl. 6, figs. 28a, b (East Maui: Honuaula). Holotype MCZ 39864 (fig. 28a); paratypes MCZ 39823, 136574, and 136575.

elegans Newcomb, *Achatinella*

1854, PZS 21: 149 (preprint p. 23), pl. 24, fig. 57 (Oahu: Hauula). Lectotype, here selected, BMNH 1992189/1 is the "holotype" refigured by Welch (1958, PANSP 106: 134, pl. 10, fig. 5); paralectotypes BMNH 1992189/2; CU 29959; MCZ 302450.

ellipsoidea Gould, *Achatinella*

1847, PBSNH 2: 200 (Maui); 1852, USEE 12: 87, pl. 7, figs. 96, 96a; 1862, *Otia Conch.*, p. 35. Holotype USNM 5498 refigured by Hyatt and Pilsbry (1911, MofC (2) 21: 167, pl. 40, figs. 17, 18); paratype MCZ 156364.

elliptica Gulick [in] Gulick and Smith, *Amastra*

1873, PZS for 1873: 83, pl. 10, fig. 15 (Oahu: me-

tropolis of the species is Waialei. It is also found in Kahuku and Hanula and rarely in Kawailoa). Holotype MCZ 39891; paratypes MCZ 302446; *both* from Waialei.

elongata Newcomb, *Achatinella*

1853, ALNHNY 6: 26 (Oahu). Specimens identified by Newcomb [idiotypes] CU 29960; BPBM [no number], Garrett collection, ex Newcomb *teste* Hyatt and Pilsbry (1911: 231).

elongata Pease, *Succinea*

1870, JdeC 18: 96 (Kauai). Lectotype MCZ 161665 selected by Johnson (1994, BMCZ 154: 12, pl. 4, fig. 14).

emersonii Newcomb, *Achatinella*

1854, PZS 21: 156 (preprint p. 30), pl. 24, fig. 74 ([Oahu]: District of Waialua). Is *A. livida* Swainson, *teste* Newcomb (1858: 309). Lectotype, here selected, BMNH 1992235/1 is the figured type; paralectotype BMNH 1992235/2; not located in CU by Clarke (1960: 148); not in MCZ.

emortua Cooke, *Amastra* (*Anastrella*) *flavescens*

1917, BPBM *Occ. Pap.* 3(3): 231, pl. A, fig. 6 (Hawaii: Huehue in the district of North Kona, on the northwestern slopes of Hualalai, about 1,700 feet elevation). Holotype and paratypes [listed as copies] BPBM 41971; paratype MCZ 97654.

eos Pilsbry and Cooke, *Amastra* (*Metanastra*)

1914, MofC (2) 23: 26, pl. 2, figs. 14, 15 (Oahu: Keawaawa). Lectotype ANSP 108171a (fig. 15) selected by Baker (1963: 198); paralectotypes MCZ 31162.

erecta Pease, *Helicter* (*Laminella*)

1869, JdeC 17: 174 (Maui). Holotype in MNHN figured by Fischer-Piette (1950, JdeC 90: 73, fig. 53); paratypes MCZ 23338.

ermestina Baldwin, *Achatinella* (*Achatinellastrum*)

1895, PANSP 47: 217, pl. 10, figs. 5, 6 (Oahu: Nuuanu Valley). Figured holotype ANSP 65706a (fig. 5), *teste* Baker (1963: 194).

errans Pilsbry and Cooke, *Partulina physa*

1913, MofC (2) 22: 111, pl. 17, figs. 14–16 (Hawaii: near Pahoa, Puna [fig. 14]; Kaiwika in the district of South Hilo [figs. 15, 16]). Lectotype ANSP 108205a (fig. 14) selected by Baker (1963: 194); paralectotypes MCZ 190897 from Puna.

eurymphala Ancey, *Tornatellina*

1889, BMSF 6: 239 (West Maui: highest point). Holotype BPBM 18430, *teste* Pilsbry and Cooke (1915: 233); paratypes MCZ 165796.

evchynae Cooke and Kondo, *Carelia*

1952, BPBM *Occ. Pap.* 20(20): 331, fig. 2, a–f (Kauai: Polihale, base of Polihale Ridge, 500 feet inland from ocean, 150 feet altitude; fossil). Holotype BPBM 9092; paratypes MCZ 187597.

exaequata Gould, *Helix* [*Microcystis*]

1846, PBSNH 2: 171 (Kauai); 1852, USEE 12: 47, pl. 5, figs. 61, 61a–c; 1856, *Ibid.*, Addenda and Corrigenda, p. 501; 1862, *Otia Conch.*, pp. 29, 243. Holotype USNM 5463; paratypes MCZ 87862 and 169134.

exilis Gulick, *Achatinella*

- 1856, ALNHNY 6: 188, pl. 6, fig. 16 (Oahu: Kea-waawa). Holotype MCZ 39827; paratypes MCZ 245206 and 136926.
- expansa* Pease, *Auriculella*
1868, JdeC 16: 343, pl. 14, fig. 8 [Maui]. Holotype in MNHN, *teste* Fischer-Piette (1950: 71); paratypes MCZ 45155.
- explanata* Gould, *Succinea* [Omalonyx]
1852, USEE 12: 13, pl. 2, figs. 31, 31a-c (Kauai); 1862, *Otia Conch.*, p. 223. Holotype USNM 20870; paratypes MCZ 155126 and 169135.
- extensa* Pease, *Leptachatina*
1870, JdeC 18: 92 (Kauai). Not mentioned by Fischer-Piette (1950: 74), or located by Johnson (1994: 12).
- extincta* Ancey, *Tornatellina*
1890, BSMF 7: 341 (Maui [East Maui: Kaupakalua]). Syntypes, presumed to be in BPBM, mentioned by Pilsbry and Cooke (1915: 160) but not located by Cowie (personal communication); syntypes MCZ 175725.
- fasciata* Gulick, *Achatinella*
1856, ALNHNY 6: 201, pl. 7, fig. 30 (Maui: Honukawai). Holotype MCZ 39849; paratypes MCZ 136570 and 136571.
- fastigata* Cooke, *Anastra* (*Amastrella*) *rugulosa*
1917, BPBM *Occ. Pap.* 3(3): 229, pl. B, fig. 1 (Kauai: Koloa; Pleistocene). Holotype and 2 paratypes [listed as cotypes] BPBM 41997; paratypes MCZ 97593.
- filocostata* Cooke and Pilsbry [in] Pilsbry and Cooke, *Lyporupa perlonga*
1920, MofC (2) 25: 262, pl. 23, fig. 12 (Kauai: Līmahuli). Holotype BPBM 11057; paratypes MCZ 78766.
- filocostata* Pease, *Pity*
1871, PZS for 1871: 454 (Kauai). Not located in BMNH. *teste* Mordan (personal communication), or elsewhere by Johnson (1994: 13).
- flavescens* Newcomb, *Achatinella*
1854, PZS 21: 151 (preprint p. 25), pl. 24, fig. 62 (Hawaii). Lectotype, here selected, BMNH 1992262/1 is the figured type; paralectotypes BMNH 1992262/2; CU 29964; MCZ 141457 and 294945.
- flavida* Cooke [in] Pilsbry and Cooke, *Auriculella*
1915, MofC (2) 23: 103, pl. 26, figs. 8, 9 (Molokai: Kamalo). Holotype [so labeled] BPBM 42390 (fig. 8); paratype ANSP 94495 (fig. 9); paratypes MCZ 97576.
- flavidus* Gulick [in] Gulick and Smith, *Apex*
1873, PZS for 1873: 80, pl. 10, figs. 1, 1a (Oahu: metropolis is in Kalaikoa; it is also found in Ahonui). Holotype MCZ 39904 (fig. 1); paratype MCZ 302449 (fig. 1a is variety a); paratypes MCZ 147143–147145; all from Kalaikoa; paratypes MCZ 147146 from Ahonui.
- flemingi* Baldwin, *Partulina*
1906, *Nautilus* 19: 111 (East Maui: Nahiku). Syntypes ANSP 110089 figured by Pilsbry and Cooke (1913, MofC (2) 22: 70, pl. 19, figs. 5–11); [holo-
type] ANSP 110089a (fig. 10), *teste* Baker (1963: 194); [paratypes] MCZ 135726 and 135732.
- formosa* Gulick, *Achatinella*
1858, ALNHNY 6: 235, pl. 8, fig. 55 (Oahu: Waimea). Holotype only, MCZ 39867.
- fornicata* Gould, *Helix*
1846, PBSNH 2: 172 (Kauai); 1852, USEE 12: 50; 1856, *Ibid.*, Addenda and Corrigena, p. 501, "The shell which was described as *H. fornicata* has been unfortunately mislaid, and the figure numbered 64, where it was to be placed, represents *H. tongana* Quoy with its animal"; 1862, *Otia Conch.*, pp. 21, 243. Specimens subsequently identified by Gould [idiotypes] MCZ 169145.
- fossilis* Baldwin, *Anastra*
1903, *Nautilus* 17: 35 (Hawaii: Palihoukapapa on the Hamakua slope of Mauna Kea, at an elevation of 4000 feet). Syntype Baldwin collection [no number] figured by Hyatt and Pilsbry (1911, MofC (2) 21: 315, pl. 47, fig. 10); syntypes BPBM 22346.
- fossilis* Cooke and Pilsbry [in] Pilsbry and Cooke, *Lyporupa lyrata*
1920, MofC (2) 25: 237, pl. 19, figs. 7, 11 (Oahu: Manoa). Holotype BPBM 11039 (fig. 11); paratypes MCZ 78756.
- fragilis* Gulick, *Achatinella*
1856, ALNHNY 6: 183, pl. 6, fig. 11 (Oahu: Punaluu). Holotype MCZ 39822 from Palolo [sic]; paratypes MCZ 45209 from Punaluu.
- fragosa* Cooke, *Anastra* (*Amastrella*)
1917, BPBM *Occ. Pap.* 3(3): 236, pl. A, fig. 4 (Hawaii: Kapulehu, 3 miles north of Huehue; Pleistocene). Holotype BPBM 41976; paratype MCZ 97658.
- fulgens* Newcomb, *Achatinella*
1854, PZS 21: 131 (preprint p. 4), pl. 22, fig. 24 (Oahu: Niu). Lectotype, here selected, BMNH 1992204/1 is the figured type, *teste* Welch; paralectotypes BMNH 1992204/2; CU 29967; MCZ 25575, 25576 and 294981.
- fulgida* Cooke, *Leptachatina* (*Leptachatina*)
1910, MofC (2) 21: 12, pl. 2, figs. 39, 40 (West Maui: Mt. Lihua, Mt. Kukui, Akau-ka-imo, Ahoa; Thaanum). Figured holotype BPBM 12017; paratypes MCZ 202779 from Mt. Kukui ex Thaanum.
- fuliginosa* Gould, *Achatinella*
1845, PBSNH 2: 28 (Sandwich [Hawaiian] Islands); 1862, *Otia Conch.*, p. 96. "... is *Helix tristis* Férussac." Holotype MCZ 169194 figured by Johnson (1964, USNM *Bull.* 239: 80, pl. 42, fig. 7).
- fulvicornis* Baldwin, *Partulina*
1906, *Nautilus* 19: 135 (East Maui: Kipahula Valley, Hana). Syntypes [no number] figured by Pilsbry and Cooke (1912, MofC (2) 22: 73, pl. 19, figs. 15, 16); [holotype] ANSP 108212a [which type not indicated] *teste* Baker (1963: 194).
- fumida* Gulick, *Achatinella*
1856, ALNHNY 6: 181, pl. 6, fig. 9 (Oahu: Waialei, Pupukea, Waimea, Kawailoa, and Helemanu [Helemanu]). Holotype MCZ 39826; paratypes MCZ 40313, 45213, and 136940; all from Kawailoa; para-

- types MCZ 45215 from Pupukea; paratypes MCZ 136938 from Helemanoa.
- fumosa* Newcomb, *Achatinella*
1854, PZS 21: 140 (preprint p. 14), pl. 23, fig. 28 (Oahu; Manoa). Lectotype, here selected BMNH 1992245/1 is the figured type; paralectotypes BMNH 1992245/2; CU 29969; MCZ 142992 and 294982.
- fusca* Newcomb, *Achatinella*
1853, ALNHNY 6: 28 (Oahu); 1854, PZS 21: 145 (preprint p. 19), pl. 23, fig. 44 (Oahu; Manoa . . . near the base of the mountain at the head of Manoa valley). Lectotype, here selected, BMNH 1992255, is the "only specimen intact and suitable for lectotype designation," *teste* Naggs (personal communication); paralectotypes CU 29970; MCZ 142993.
- fuscobasis* Smith [in] Gulick and Smith, *Bulinella*
1873, PZS for 1873: 77, pl. 9, fig. 15 (Oahu: high up on Mount Kaala on the Mokuleia side). Holotype only, MCZ 39918, refigured by Pilsbry and Cooke (1913: 170, pl. 35, fig. 1).
- fusco-lineata* Smith [in] Gulick and Smith, *Achatinella*
1873, PZS for 1873: 75, pl. 9, fig. 2 (Oahu: Kailua . . . varieties in nearly all the valleys between Palolo and Halawa). Lectotype, here selected, BMNH 1992200/1 is the figured type, *teste* Welch; paralectotypes BMNH 1992200/2 and MCZ 159596; *all* from Kailua.
- fuscospira* Pilsbry and Cooke, *Partulina horneri*
1914, MofC (2) 22: 365, pl. 54, fig. 13 (Hawaii: Kukuiahaele). Figured holotype ANSP 111439a, *teste* Baker (1963: 194); paratypes MCZ 190593.
- fuscozona* Smith [in] Gulick and Smith, *Achatinella*
1873, PZS for 1873: 76, pl. 9, fig. 9 (Oahu: Makiki, two or three specimens have been found in Palolo). Holotype only, MCZ 39885 from Makiki.
- fuscozonata* Pilsbry and Cooke, *Partulina (Baldwinia) horneri*
1914, MofC (2) 22: 365, pl. 17, figs. 2, 5 (Hawaii: Hamakua). Lectotype ANSP 65700a (fig. 2) selected by Baker (1963: 194); paralectotypes MCZ 65702.
- fuscula* Gulick, *Achatinella*
1856, ALNHNY 6: 180, pl. 6, fig. 8 (Oahu: mountain forests of Mokuleia). Holotype only, MCZ 39814 from Palolo; specimen identified by Gulick [idiotype] MCZ 136932 from Lehu.
- fusoides* Newcomb, *Achatinella*
1855, ALNHNY 6: 144 (East Maui); 1866, AJC 2: 213, pl. 13, fig. 8. Not located in CU by Clarke (1960: 149); not in MCZ; not located in ANSP by Baker (1963).
- gamma* Pilsbry and Cooke, *Helicina laciniosa*
1908, BPBM Occ. Pap. 3(2): 202, fig. 3 (Oahu: Ewa, Wahiawa). Holotype BPBM 14902; paratype MCZ 191055; *both* from Ewa.
- garrettiana* Ancey, *Succinea*
1899, PMSL 3: 272, pl. 12, fig. 7 (Hawaii: Hilo, Rainbow Falls). Holotype BPBM 19043; paratypes BPBM 18986 and MCZ 190648.
- gentilis* Cooke, *Amastrea (Amastrella) comica*
1917, BPBM Occ. Pap. 3(3): 233, pl. A, fig. 1 (Hawaii: Waikii station, land of Waikoloa, about 6,000 feet elevation). Holotype and paratypes [listed as types] BPBM 41967; paratype MCZ 97657.
- germana* Newcomb, *Achatinella*
1854, PZS 21: 151 (preprint p. 25), pl. 24, fig. 61 (Maui: Makawao). Lectotype, here selected, BMNH 1992225 is the figured and only type; paralectotypes CU 29971; not in MCZ.
- gigantea* Newcomb, *Achatinella*
1854, PZS 21: 136 (preprint p. 10), pl. 22, fig. 17 (Maui: Haleakala). Lectotype, here selected, BMNH 1992244 is the figured and only type.
- glabra* Newcomb, *Achatinella*
1854, PZS 21: 139 (preprint p. 13), pl. 22, fig. 25 (Oahu: Kolan poko). Lectotype BMNH 1992190/1 figured as the "holotype" selected by Welch (1954: 97, pl. 2, fig. 24); paralectotypes BMNH 1992190/2; CU 29972; MCZ 294941.
- glauca* Gulick, *Achatinella*
1858, ALNHNY 6: 232, pl. 8, fig. 51 (Oahu: Kawaihoa). Holotype only, MCZ 39855.
- globuloidea* Neal, *Pleuropoma laciniosa*
1934, BPBM Bull. 125: 67, figs. 67, 68 (Kauai: Nonou Mountains, southwest side). Holotype BPBM 11214; paratypes MCZ 179709.
- glossinea* Cooke, *Carelia*
1931, BPBM Bull. 85: 80, pl. 15, figs. 1-3 (Kauai: Olokele). Holotype BPBM 86083; paratypes MCZ 97583.
- gnaumpta* Cooke and Pilsbry [in] Pilsbry and Cooke, *Nesopupa (Limbatipupa) newcombi*
1920, MofC (2) 25: 317, 309, figs. 14, 15 [actually figs. 8, 9] (Hawaii: Luakaha, Nuananu). Holotype BPBM 12526; paratypes MCZ 78504.
- gouldi* Newcomb, *Achatinella*
1853, ALNHNY 6: 211 (Maui: Wailuku Valley); 1854, PZS 21: 129 (preprint p. 4), pl. 22, fig. 1. Lectotype, here selected, BMNH 1992202/1 is the figured type; paralectotypes BMNH 1992202/2; CU 29978; MCZ 294957.
- gouldi* Pilsbry and Cooke, *Lyropupa lyrata*
1920, MofC (2) 25: 235, pl. 19, figs. 8, 9 ([Oahu]). Holotype MCZ 169464; paratypes MCZ 314964.
- gracilis* Pease, *Blaueria*
1860, PZS 28: 145 (Sandwich [Hawaiian] Islands). Lectotype BMNH 1962770, selected by Kay (1965, *Bull. BMNH Zool.*, Suppl. 1: 26, pl. 9, fig. 3); paralectotypes MCZ 297790.
- gracilis* Pease, *Tornatellina*
1871, PZS for 1871: 460 (Kauai). Lectotype MCZ 50058, selected by Johnson (1994, *BMCZ* 154: 15, pl. 4, fig. 10).
- grana* Newcomb, *Achatinella*
1853, ALNHNY 6: 29 (East Maui); 1854, PZS 21: 146 (preprint p. 20), pl. 23, fig. 46. Syntypes CU

- 29981; MCZ 142970 and 156308; not located in BMNH, *teste* Naggs (personal communication).
- granifera* Gulick, *Achatinella*
1856, ALNHNY 6: 185, pl. 6, fig. 13 (Oahu: Kea-waawa). Holotype MCZ 39830; paratypes MCZ 45216, 45217, 147017, and 147019.
- grisea* Newcomb, *Achatinella*
1854, PZS 21: 153 (preprint p. 26), pl. 24, fig. 66 (Maui: Makawao). Lectotype, here selected, BMNH 1992229/1 [slightly damaged] is the figured type; paralectotype BMNH 1992229/2; paralectotypes CU 29983; MCZ 25869 and 25870; not included in list by Clarke (1960).
- gulickiana* Pilsbry and Cooke, *Achatinella*
(*Achatinellastrum*) *lehuiensis*
1914, MofC (2) 22: 273, pl. 42, fig. 4 (Oahu: Moku-uleia, Waianae range). Holotype only, *teste* Pilsbry and Cooke, MCZ 30252, ex Gulick collection 1471.
- gulickii* Smith [in] Gulick and Smith, *Apex*
1873, PZS for 1873: 78, pl. 9, fig. 17 ([Oahu]: most abundant in Kalaikoa and Ahonui but sometimes found in valleys to the west as far as Waialei). Holotype only, MCZ 39834 from Kalaikoa.
- gunnea* Gulick, *Achatinella*
1856 ALNHNY 6: 182, pl. 6, fig. 10 (Oahu: Moku-uleia and Lihue). Holotype MCZ 39829; paratypes MCZ 45220, 136927, and 136928; all from Moku-uleia; paratypes MCZ 45219 from Lihue.
- guttula* Gould, *Achatinella* [*Leptachatina*]
1847, PBSNH 2: 201 (Maui); 1852, USEE 12: 89, pl. 7, figs. 98, 98a; 1862, *Otia Conch.*, pp. 35, 244. Holotype USNM 5500; paratypes MCZ 142956 and 169182.
- haena* Cooke, *Laxisuccinea*
1921, BPBM Occ. Pap. 7(12): 277, pl. 25, fig. 5 (Kauai: deposits in road cutting near the western extremity of the Haena Plain; Pleistocene or Recent). Holotype BPBM 58476; paratypes MCZ 97728.
- haupnensis* Cooke, *Godwinia*
1921, BPBM Occ. Pap. 7(12): 267, pl. 24, fig. 3, text fig. 3 (Kauai: northern slope of Mount Haupn in the southeastern portion of the island). Holotype BPBM 58469; paratypes MCZ 97731.
- havaiensis* Ancey, *Lyropupa mirabilis*
1904, JofM 11: 68, pl. 5, fig. 18 (Hawaii: Palihou-kapapa, on the Hamakua slope of Mauna Kea, at an elevation of 4,000 feet). Holotype BPBM 18748, *teste* Cooke and Pilsbry (1920: 252); paratypes BPBM 36656 and MCZ 78762.
- hawaiiensis* Baldwin, *Achatinella* (*Partulina*)
1895, PANSP 47: 225, pl. 10, figs. 24–26 (Hawaii: Hamakua). Figured holotype ANSP 65695a (fig. 24), *teste* Baker (1963: 194); paratypes MCZ 135755.
- hawaiiensis* Hyatt and Pilsbry, *Amastra* (*Amastrella*)
1911, MofC (2) 21: 319, pl. 42, figs. 7, 8 (Hawaii: Waimanu; Baldwin). Lectotype ANSP 105540a (fig. 7) selected by Baker (1963: 198); paralectotypes MCZ 145766 from Baldwin collection 26 ex BSNH.
- hayseldeni* Baldwin, *Partulina*
1896, *Nautilus* 10: 31 (Lanai). Syntypes ANSP [no number] figured by Pilsbry and Cooke (1913, MofC (2) 22: 88, pl. 21, figs. 5–7); [holotype] ANSP 68872a [which type not indicated] *teste* Baker (1963: 194).
- helena* Newcomb, *Achatinella*
1853, ALNHNY 6: 27 (Molokai); 1854, PZS 21: 151 (preprint p. 25), pl. 24, fig. 63. Lectotype, here selected, BMNH 1992227/1 is the figured type, so marked; paralectotypes BMNH 1992227/2; CU 29988; MCZ 156044 and 294976.
- heliciformis* Ancey, *Amastra*
1890, BSMF 7: 340 (Oahu: Waianae). Not mentioned by Pilsbry and Cooke (1914). Syntypes MCZ 147477.
- helvina* Baldwin, *Laminella* (*Laminella*)
1895, PANSP 47: 227, pl. 11, fig. 30 (Molokai: Ohia Valley, near Kaluaaha). Figured holotype ANSP 65712a, *teste* Baker (1963: 198); paratypes MCZ 97662, 135752, 140237 and 191037.
- henshawi* Ancey, *Tornatellina*
1903 [1904], JdeC 51: 299, pl. 12, figs. 9, 10 (Hawaii: Hamakua, Olaa). Not mentioned by Fischer-Piette (1950: 171); lectotype BPBM 18436 [18655 on plate caption] from Hamakua figured by Pilsbry and Cooke (1916: 264, pl. 55, fig. 3); paralectotypes MCZ 199562 from Hamakua.
- henshawi* Baldwin, *Amastra*
1903, *Nautilus* 17: 34 (Hawaii: South Kona, altitudes from 1,800 to 4,000 feet). Syntype ANSP 104709 figured by Hyatt and Pilsbry (1911, MofC (2) 21: 318, pl. 47, fig. 15). Not found in ANSP by Baker (1963); syntypes MCZ 135767 and 138671.
- henshawi* Sykes, *Leptachatina*
1903, JofM 10: 1, text fig. (Hawaii: Kona, 1,500 feet). Syntype BPBM 18853 figured by Cooke [in] Pilsbry and Cooke (1910, MofC (2) 21: 86, pl. 1, fig. 15); syntypes MCZ 202696; not located in BMNH, *teste* Naggs (personal communication).
- herbacea* Gulick, *Achatinella*
1858, ALNHNY 6: 233, pl. 8, fig. 52 (Oahu: forests between the streams of Waimea and Kawailoa). Holotype MCZ 39847; paratypes MCZ 40172; both from Kawailoa.
- honomuniensis* Pilsbry [in] Pilsbry and Cooke, *Newcombia cinnamomea*
1912, MofC (2) 22: 12, pl. 14, figs. 6, 7 (Molokai: Honomuni). Holotype ANSP 110071a, *teste* Baker (1963: 194) [which type not indicated]; paratypes MCZ 190543.
- horneri* Baldwin, *Achatinella* (*Partulina*)
1895, PANSP 47: 224, pl. 10, figs. 20–22 (Hawaii: [Kukuihaele], Hamakua). [Holotype] ANSP 65702a (fig. 20), *teste* Baker (1963: 194); paratypes MCZ 9456 and 190881.
- humilis* Newcomb, *Achatinella*
1855, ALNHNY 6: 143 (Molokai: Kalai); 1866, AJC 2: 211, pl. 13, fig. 4. Lectotype, here selected, CU

- 29959A is the figured type, so marked; paralectotypes CU 29989; MCZ 141451 and 294971; not located in ANSP by Baker (1963).
- hutchinsonii* Pease, *Heliceter*
1862, PZS for 1862: 7 (Maui). Lectotype MCZ 45254 selected by Johnson (1994, BMCZ 154: 15, pl. 4, fig. 2); paralectotype MCZ 141500.
- hyattiana* Pilsbry [in] Hyatt and Pilsbry, *Carelia*
1911, MofC (2) 21: 108, pl. 21, figs. 1, 2 ([Kauai]). Figured holotype ANSP 10132, *teste* Baker (1963: 198); paratype MCZ 181217.
- hybrida* Newcomb, *Achatinella*
1854, PZS 21: 147 (preprint p. 21), pl. 23, fig. 52 (Oahu: Kolau). Is *A. producta* Reeve, *teste* Newcomb (1858: 315). Lectotype, here selected, BMNH 1992268 is the figured and only type, *teste* Welch; not located in CU by Clarke (1960: 150), not in MCZ.
- hyperleuca* Pilsbry [in] Hyatt and Pilsbry, *Carelia bicolor*
1911, MofC (2) 21: 114, pl. 20, figs. 5, 6 ([Kauai]). Lectotype ANSP 234432a (fig. 6) selected by Baker (1963: 198); paralectotypes MCZ 181216.
- hystricella* Cooke and Pilsbry [in] Pilsbry, *Pronesopupa (Pronesopupa)*
1920, MofC (2) 26: 7, pl. 1, fig. 12 (Hawaii: Hilo, Reed's Island). Holotype BPBM 11032; paratypes MCZ 78813.
- hystrix* 'Mighels' Pfeiffer, *Helix*.
See under: *setigera* Gould, *Helix*, and as *Cookeconcha hystrix* (Pfeiffer, 1846), by Solem (1976: 220).
- illibata* Cooke and Pilsbry [in] Pilsbry and Cooke, *Tornatellaria sykesii*
1916, MofC (2) 23: 266, pl. 55, fig. 7 (Molokai: Kilohana, Puunaea). Holotype BPBM 34028; paratypes [listed as cotypes] BPBM 24510 and ANSP 111859; paratype MCZ 97566.
- illinois* Cooke, *Leptachatina (Leptachatina)*
1910, MofC (2) 21: 10, pl. 10, fig. 3 (Oahu: Palehua in the Waianae Mts.). Holotype BPBM 12077; paratypes MCZ 191121.
- inclata* Gulick, *Achatinella*
1856, ALNHNY 6: 207, pl. 7, figs. 34a, e (Maui: Wailuku). Holotype MCZ 39821 (fig. 34a); paratype MCZ 39816 (fig. 34e is variety e); paratypes MCZ 136536 and 136539.
- inopinata* Cooke, *Amastra (Amastra)*
1933, BPBM Occ. Paper 10(6): 23, pl. 2, figs. 11, 12 (East Maui: Kula, near the division of the lands of Keokea and Kamaole). Figured syntypes BPBM 10769; syntype MCZ 97650 from Keokea.
- inornata* Mighels, *Achatinella*
1845, PBSNH 2: 21 (Oahu). Syntypes Jay collection [no number]. Listed by Jay (1850: 215) as a synonym of *Achatinella turritella* Féruissac. Not located by Johnson (1949: 225), or subsequently.
- intercarinata* Mighels, *Helix*
1845, PBSNH 2: 18 (Oahu). Not located by Johnson (1949: 226).
- interjecta* Hyatt and Pilsbry, *Amastra (Heteramastra) soror*
1911, MofC (2) 21: 287, pl. 48, figs. 9–11 (West Maui: Lahaina). Lectotype ANSP 57827a (fig. 10) selected by Baker (1963: 198); paralectotypes MCZ 136894 and 136905 both ex Gulick collection.
- intermedia* Newcomb, *Achatinella*
1854, PZS 21: 135 (preprint p. 9), pl. 22, fig. 13 (Oahu: Waianae [Waianae]). Lectotype, here selected, BMNH 1992240/1 is the figured type; paralectotypes BMNH 1992240/2; CU 29990; MCZ 141437 and 294923.
- interrupta* Cooke and Pilsbry [in] Pilsbry and Cooke, *Nesopupa (Limbatipupa) newcombi*
1920, MofC (2) 25: 315, 309, figs. 4a–6a (Hawaii: Waiaha). Holotype BPBM 42673 (fig. 5); paratypes MCZ 78806.
- interrupta* Pilsbry and Cooke, *Lypopupa perlonga*
1920, MofC (2) 25: 261, pl. 22, fig. 5; pl. 25, figs. 1–4, 10 (Oahu: 1.5 miles west of Kahuku). Holotype ANSP 119446a (fig. 5) *teste* Baker (1963: 201); paratypes MCZ 78765.
- irregularis* Cooke and Pilsbry [in] Pilsbry and Cooke, *Tornatellides*
1915, MofC (2) 23: 234, pl. 50, figs. 4–6 (West Maui: top of Mt. Kukui). Holotype BPBM 14157; paratypes [listed as cotypes] ANSP 111723; paratypes MCZ 97542.
- isenbergi* Cooke, *Carelia dolei*
1931, BPBM Bull. 85: 53, pl. 6, figs. 6–12 (Kauai: Haena plain, a few hundred yards east of the Manoa stream). Holotype BPBM 37542a; paratype MCZ 97587.
- johnsoni* Hyatt and Pilsbry, *Amastra (Amastra)*
1911, MofC (2) 21: 304, pl. 45, fig. 16 (West Maui: Wailuku). Holotype MCZ 136855 ex Gulick collection 1519.
- johnsoni* Newcomb, *Achatinella*
1854, PZS 21: 147 (preprint p. 21), pl. 23, fig. 50 (Oahu: Kolau). Lectotype, here selected, BMNH 1992221 is the figured and only type, *teste* Welch; paralectotypes CU 29991; not in MCZ.
- juddii* Baldwin, *Achatinella (Achatinellastrum)*
1895, PANSP 47: 216, pl. 10, figs. 3, 4 (Oahu: Halawa). Figured holotype ANSP 65709a (fig. 3), *teste* Baker (1963: 194).
- juddii* Pilsbry and Cooke, *Helicina*
1908, BPBM Occ. Pap. 3(2): 208, fig. 13 (Kauai: Koloa Beach; fossil). Holotype BPBM 14598; paratypes MCZ 191117.
- jugosa* Mighels, *Helix*
1845, PBSNH 2: 19 ([Kauai:] Waioli). Not located by Johnson (1949: 226).
- juncea* Gulick, *Achatinella*
1856, ALNHNY 6: 230, pl. 7, fig. 49 (Oahu: Kalaikoa, Wahiawa, and Helemanu [Helemano]). Holotype only, MCZ 39842 from Wahiawa.
- kaacana* Baldwin, *Partulina*
1906, *Nautilus* 19: 113 (West Maui: Mt. Helu,

- 4,000 feet elevation). Syntypes ANSP [no number] figured by Pilsbry and Cooke (1912, MofC (2) 22: 41, pl. 10, figs. 5-7); not located in ANSP by Baker (1963); syntype BPBM 51875; syntypes MCZ 190695.
- kaalaensis* Cooke and Pilsbry, *Nesoptupa* (*Infranesoptupa*) *dubitabilis*
1920, MofC (2) 25: 292, pl. 28, fig. 13 (Oahu: Wai-anae Range at Mokuleia, and Kaala, eastern spur, about 2500 feet elevation). Holotype BPBM 11069 from Kaala; paratypes MCZ 180208.
- kahakuloensis* Pilsbry and Cooke, *Amastra* *balduvini-ana*
1914, MofC (2) 23: 43, pl. 8, figs. 5, 6 (West Maui: Kahakuloa; Thaanum). Lectotype ANSP 108168a (fig. 5) selected by Baker (1963: 198); paralectotypes MCZ 31177 and 183621 both ex Thaanum.
- kahooolavensis* Cooke and Pilsbry [in] Pilsbry and Cooke, *Tornatellides*
1915, MofC (2) 23: 211, pl. 46, figs. 3, 4, 7 (Kahooolawe: Hakiwoawa). Holotype BPBM 36249; paratypes ANSP 111724 and MCZ 97521.
- kahooolavensis* Pilsbry and Cooke, *Lyporupa*
1920, MofC (2) 25: 256, pl. 22, figs. 1-4, 8, 9 (Kahooolawe: Hakiwoawa). Holotype ANSP 108871a (fig. 1) *teste* Baker (1963: 201); paratypes MCZ 78769.
- kahukuensis* Pilsbry and Cooke, *Tornatellides*
1915, MofC (2) 23: 208, pl. 46, figs. 11, 12 (Oahu: ledges near base of the "coral bluff," 1½ miles west of Kahuku). Holotype ANSP 112765a, *teste* Baker (1963: 194); paratypes MCZ 97513.
- kailuanus* Pilsbry and Cooke,
Tornatellides *procerulus*
1915, MofC (2) 23: 207, pl. 45, fig. 9 (Oahu: Kaelepulu, Kailua). Holotype ANSP 112766a, *teste* Baker (1963: 194); paratypes MCZ 97515.
- kaipapauensis* Welch, *Achatinella* *bulimoides*
1958, PANSP 110: 162, pl. 11, figs. 14-16 (Oahu: Kaipapau, Hauula; Gulick). Holotype BPBM 10518 (fig. 15); paratypes MCZ 170103-170106 and 170027 (fig. 16).
- kalalaensis* Cooke, *Carelia*
1931, BPBM Bull. 85: 32, pl. 3, figs. 1-8, 11-17 (Kauai: Kalalau, north side of valley east of double waterfall). Holotype BPBM 79947a (fig. 11); paratypes MCZ 190918.
- kalamauensis* Pilsbry and Cooke, *Amastra*
1914, MofC (2) 23: 37, pl. 3, figs. 4-7 (Molokai: Kalamaula). Holotype ANSP 108227a (fig. 6) *teste* Baker (1963: 198); paratypes MCZ 97643 and 125304.
- kalihiensis* Pilsbry and Cooke, *Laminella* *gravida*
1915, MofC (2) 23: 54, pl. 1, fig. 6 (Oahu: Kalihi). Holotype ANSP 109905a, *teste* Baker (1963: 198); paratypes MCZ 97660.
- kahaahaacola* Pilsbry and Cooke, *Partulina* (*Partulina*) *virgulata*
1914, MofC (2) 22: 359, pl. 26, figs. 3, 3a (Molokai: Kaluaaha at about 1700 feet; Thaanum). Figured holotype ANSP 108194 selected as lectotype by Baker (1963: 195); paralectotypes MCZ 190628 ex Thaanum.
- kamaloensis* Pilsbry and Cooke, *Laminella* *depicta*
1915, MofC (2) 23: 56; [figured but not described]
1911, MofC (2) 21: pl. 52, figs. 6-8 (Molokai: northwestern Kamalo above the amphitheatre, along the old Kamalo ditch). Holotype ANSP 94494a (fig. 8), *teste* Baker (1963: 198); paratypes MCZ 31207, 191019, and 191921 all ex Thaanum.
- kamaloensis* Pilsbry and Cooke,
Partulina (*Partulina*) *redfieldii*
1914, MofC (2) 22: 362, pl. 26, figs. 4, 4a (Molokai: between the branch ravines above the Kamalo amphitheatre and below the old [Kamalo] irrigation ditch). Lectotype ANSP 108214a (fig. 4) selected by Baker (1963: 195); paralectotypes MCZ 190689.
- kauaiensis* Newcomb, *Achatinella*
1860, ALNHNY 7: 145 (Kauai); 1866, AJC 2: 209, pl. 13, fig. 1. Lectotype, here selected, CU 29992A is the figured type, so marked; paralectotypes CU 29992; MCZ 141331; and BMNH 1995102, ex MCZ 141331; not found in ANSP by Baker (1963).
- kauaiensis* Pease, *Melania*
1870, AJC 6: 7, pl. 3, fig. 6 (Kauai). Holotype ANSP 26510, *teste* Baker (1964: 190); paratypes MCZ 74924.
- kauensis* Pilsbry and Cooke, *Amastra* *melanosis*
1915, MofC (2) 23: 50, pl. 1, fig. 18 (Hawaii: Waiohinu, Kau). Lectotype ANSP 108147a selected by Baker (1963: 198); paralectotypes MCZ 31161 and 125298.
- kauanakakaiensis* Pilsbry and Cooke, *Amastra*
1914, MofC (2) 23: 36, pl. 3, figs. 8-10 (Molokai: pipeline trail in upper Kaunakakai district, above and a short distance below the spring). Lectotype ANSP 108625a (fig. 10) selected by Baker (1963: 198); paralectotype MCZ 97603.
- knudsenii* Baldwin, *Amastra* (*Amastra*)
1895, PANSP 47: 234, pl. 11, figs. 43, 44 (Kauai: Halemanu). Figured syntypes ANSP 65725; [holotype] ANSP 65725a [which type not indicated], *teste* Baker (1963: 198).
- knudsenii* Cooke, *Leptachatina* (*Leptachatina*)
1910, MofC (2) 21: 8, pl. 9, figs. 11, 12 (Kauai: Waipo, near Halemanu, at an altitude of 3,500 feet). Holotype BPBM 12042; paratypes MCZ 202799.
- kona* Pilsbry and Cooke, *Lyporupa* *ovatula*
1920, MofC (2) 25: 266, pl. 26, figs. 5, 10, 11, 14 (Hawaii: North Kona at Huehue). Holotype ANSP 44763a (figs. 10, 11, 14), *teste* Baker (1963: 201); paratypes MCZ 78772.
- konana* Pilsbry and Cooke, *Partulina* (*Balduviniina*) *physa*
1914, MofC (2) 22: 365, pl. 54, figs. 5, 5a (Hawaii: North Kona at Honoula). Lectotype ANSP 111440a selected by Baker (1963: 195); paralectotypes MCZ 190896.
- kulnsi* Cooke, *Amastra* (*Laminella*)
1908, BPBM Occ. Pap. 3(2): 217, text fig. (West

- Maui: Kahakulua). Holotype BPBM 15142; paratype MCZ 97663.
- kuhusi* Pilsbry [in] Pilsbry and Cooke, *Partulina* (*Perdicella*)
1912, MofC (2) **22**: 22, pl. 14, figs. 8, 12–15 (West Maui: Honokohua). Lectotype ANSP 110057a (fig. 12) selected by Baker (1963: 195); paralectotypes MCZ 190553.
- labiata* Newcomb, *Achatinella*
1853, ALNHNY **6**: 27 (Oahu); 1854, PZS **21**: 141 (preprint p. 15), pl. 23, fig. 33 (Oahu: Lehui). Lectotype, here selected, BMNH 1992250/1 is the figured type; paralectotypes BMNH 1992250/2; CÜ 29993; MCZ 142994, 142998, and 294948.
- laciniosa* Mighels, *Helicina*
1845, PBSNH **2**: 19 (Oahu [Kauai: presumably the north coast near to, if not, Hanalei, Waioli; Cooke]). Lectotype MCZ 156497 selected by Johnson (1949, OPM **1**: 226, pl. 27, fig. 20).
- lacrina* Gulick, *Achatinella*
1856, ALNHNY **6**: 176, pl. 6, fig. 4 (Oahu: most from Lihue, but Kalaikoa, Wahiawa, Helemano [Helemano] and Peula have each furnished one or two specimens). Holotype MCZ 39818 from "Lihue?"; paratypes MCZ 147011–147013, all from Lihue; MCZ 147014 and 147015, both from Kalaikoa; MCZ 147016 from Helemano.
- lactea* Gulick, *Achatinella*
1856, ALNHNY **6**: 198, pl. 6, fig. 27 (Lanai). Holotype MCZ 39874; paratypes MCZ 136597.
- laeva* Baldwin, *Amastra* (*Laminella*)
1906, *Nautilus* **19**: 138 (East Maui: Haleakala Mt.). Syntypes ANSP [no number] figured by Hyatt and Pilsbry (1911, MofC (2) **21**: 258, pl. 48, figs. 12–15); [holotype] ANSP 105556a [which type not indicated], *teste* Baker (1963: 198).
- laevigata* Cooke, *Leptachatina* (*Leptachatina*)
1910, MofC (2) **21**: 11, pl. 6, figs. 3, 5 (Molokai: Mapulehu Ridge; Thaanum). Figured syntypes [in] BPBM 12025; syntypes MCZ 202812 ex Thaanum.
- laevis* Pease, *Leptachatina*
1870, JdeC **18**: 91 (Kauai); Crosse, 1876, JdeC **24**: 97, pl. 4, fig. 6. Holotype in MNHN. *teste* Fischer-Piette (1950: 149); paratypes MCZ 45173.
- lagena* Gulick, *Achatinella*
1856, ALNHNY **6**: 175, pl. 6, fig. 3 (Oahu: Helemano [Helemano], Wahiawa, and Kalaikoa). Holotype MCZ 39810 labeled only as Oahu; paratypes MCZ 136930 from Helemano; MCZ 40309 and 136964–136967, all from Wahiawa; MCZ 136968 and 136969, both from Kalaikoa.
- lahainana* Pilsbry and Cooke, *Amastra*
1914, MofC (2) **23**: 43, pl. 6, figs. 1–10 (West Maui: Olowalu Gulch, District of Lahaina; Thaanum). Lectotype ANSP 113072a (fig. 1) selected by Baker (1963: 198); paralectotypes MCZ 31181 ex Cooke and 125275 ex Thaanum.
- laminata* Pease, *Helix*
1866, AJC **2**: 292 (Sandwich [Hawaiian] Islands); 1871, PZS for 1871: 474 as *Endodonta* (Kauai). Lectotype MCZ 17233 selected by Johnson (1994, BMCZ **154**: 16, pl. 3, fig. 4); paralectotypes MCZ 298477 and BPBM, *teste* Cooke label; not located in ANSP by Baker (1963: 232), or elsewhere by Solem (1976: 377).
- lanaiensis* Cooke [in] Pilsbry and Cooke, *Auriculella*
1915, MofC (2) **23**: 107, pl. 19, figs. 12–16 (Lanai). Holotype [so labeled] BPBM 42392; paratypes ANSP 92753 not located by Baker (1963); paratypes MCZ 31200 and 73052.
- lanaiensis* Cooke, *Leptachatina* (*Leptachatina*)
1911, MofC (2) **21**: 67, pl. 12, figs. 2, 3 (Lanai: [Koeli]; Thaanum). Holotype BPBM 12071; paratypes MCZ 97691 ex Cooke; paratypes MCZ 141579 and 202596 both ex Thaanum.
- lanaiensis* Cooke [in] Pilsbry and Cooke, *Lyropupa rhabdota*
1920, MofC (2) **25**: 241, pl. 20, fig. 6 (Lanai). Holotype BPBM 11041; paratypes MCZ 78750.
- lanaiensis* Pilsbry and Cooke, *Nesopupa* (*Nesopupilla*) *baldwini*
1920, MofC (2) **25**: 289, pl. 27, figs. 13–15 (Lanai). Holotype BPBM 34521; paratypes MCZ 78778.
- lanceolata* Cooke and Pilsbry [in] Pilsbry and Cooke, *Tornatellina*
1916, MofC (2) **23**: 158, pl. 43, figs. 4–6 (Oahu: Nuuanu, Tantalus). Holotype BPBM 13442, *teste* Cooke and Kondo (1960 [1961]: 210); paratypes ANSP not located by Baker (1963); paratypes MCZ 97556.
- lata* C. B. Adams, *Achatinella dimondi*
1851, *Contributions to Conchology* (8): 127 ([Oahu]). Holotype MCZ 155954 figured by Johnson and Boss (1972, OPM **3**: 201, pl. 42, fig. 7).
- lehuensis* Smith [in] Gulick and Smith, *Achatinella*
1873, PZS for 1873: 76, pl. 9, fig. 4 (Oahu: Lehui). Holotype only, MCZ 39876.
- lemmoni* Baldwin, *Partulina*
1906, *Nautilus* **19**: 112 (East Maui: Nahiku). Syntypes ANSP [no number] figured by Pilsbry and Cooke (1913, MofC (2) **22**: 61, pl. 12, figs. 19, 20); [holotype] ANSP 110081a [which type not indicated], *teste* Baker (1963: 195); [paratypes] MCZ 190797.
- lepida* Cooke, *Leptachatina* (*Leptachatina*)
1910, MofC (2) **21**: 40, pl. 1, figs. 12, 13 (Hawaii: [Waimea Plains near] Mana; Thaanum). Holotype BPBM 12040; paratypes MCZ 202807.
- leptospira* Cooke and Pilsbry [in] Pilsbry and Cooke, *Tornatellides*
1915, MofC (2) **23**: 243, pl. 51, figs. 11–13 (Oahu: Nuuanu near the Pali). Holotype BPBM 36268; paratypes ANSP 111833 and MCZ 97540.
- leucochila* Gulick, *Achatinella*
1856, ALNHNY **6**: 173, pl. 6, fig. 1 (Kauai). Holotype only, MCZ 39820.
- leucoderma* Pilsbry and Cooke, *Laminella sanguinea*
1915, MofC (2) **23**: 55 (Oahu: near the middle of the western ridge of Popouwela, Waianae Mts.). Type not located in ANSP by Baker (1963); syntypes BPBM 35325 and MCZ 190991.

- leucophaeus* Gulick [in] Gulick and Smith, *Apex* 1873, PZS for 1873: 82, pl. 9, fig. 16 (Oahu: Waialei). Holotype only, MCZ 39898.
- leucorrhapha* Gulick [in] Gulick and Smith, *Apex* 1873, PZS for 1873: 79, pl. 10, fig. 2 (Oahu: Kalaikoa). Holotype MCZ 39902; paratypes MCZ 147119 and 147121.
- leucozonus* Gulick [in] Gulick and Smith, *Apex* 1873, PZS for 1873: 83, pl. 10, fig. 6 (Oahu: metropolis of this species is in Waialei. A few specimens have also been found in Wahiawa). Holotype only, MCZ 39906 from Waialei.
- lignaria* Gulick, *Achatinella* 1856, ALNHNY 6: 209, pl. 7, fig. 35 (Maui: Wailuku). Holotype MCZ 39859; paratypes MCZ 136590, 136591, and 136593.
- lilaeus* Gulick [in] Gulick and Smith, *Apex* 1873, PZS for 1873: 79, pl. 10, fig. 4 (Oahu: metropolis of the species is Ahonui. It is also abundant in Kalaikoa, but becomes very rare in Wahiawa, Helemano and Kawailoa). Holotype only, MCZ 39905 from Kalaikoa, refigured by Welch (1942: 137, pl. 10, fig. 8).
- limbata* Gulick, *Achatinella* 1856, ALNHNY 6: 252, pl. 8, figs. 70a, b (Oahu: Ahonui and Kalaikoa). Syntypes MCZ 39884 (fig. 70a) and 39879 (fig. 70b), both from Ahonui.
- lineolata* Newcomb, *Achatinella* 1853, ALNHNY 6: 29 (Maui); 1854, PZS 21: 140 (preprint p. 14), pl. 23, fig. 29 (Hawaii). Lectotype, here selected, BMNH 1992246 is the figured and only type; paralectotypes CU 29996; not in MCZ.
- littoralis* Cooke and Pilsbry [in] Pilsbry and Cooke, *Nesopupa* (*Nesopupilla*) 1920, MofC (2) 25: 283, pl. 28, fig. 1 (Oahu: Ewa). Figured syntype BPBM 11065; syntypes ANSP 44694, not mentioned by Baker (1963); syntypes MCZ 78779.
- litus* Pilsbry [in] Hyatt and Pilsbry, *Pterodiscus alatus* 1911, MofC (2) 21: 122, pl. 22, figs. 4–6 (Lanai: [Koale Gulch]; Thaanum). Lectotype ANSP 94501a (fig. 4) selected by Baker (1963: 198); paralectotypes MCZ 190551 and 190552, both ex Thaanum.
- longior* Pilsbry [in] Pilsbry and Cooke, *Partulina* (*Partulina*) *terebra* 1912, MofC (2) 22: 63, pl. 15, fig. 12 (West Maui: Wailuku, Gulick; Waiehu, Baldwin). Lectotype ANSP 92721a (fig. 12) selected by Baker (1963: 195); paralectotypes MCZ 136558 from Wailuku ex Gulick collection.
- longiuscula* Cooke, *Leptachatina* (*Leptachatina*) 1910, MofC (2) 21: 57, pl. 11, fig. 11 (Lanai: Thaanum). Holotype BPBM 12068; paratypes MCZ 202806 ex Thaanum.
- luakahaense* Cooke and Pilsbry [in] Pilsbry and Cooke, *Elasmias* 1915, MofC (2) 23: 117, pl. 29, figs. 7–10 (Oahu: Nuuanu, Luakaha). Holotype BPBM 14145 from Luakaha; paratype MCZ 97553.
- lucida* Pease, *Leptachatina* 1870, JdeC 18: 93 (Kauai). Not mentioned by Fischer-Piette (1950: 74), nor located by Johnson (1994).
- lucidus* Pease, *Melampus* 1869, AJC 5: 75 (Oahu: [Honolulu]). Lectotype ANSP 22284 selected by Baker (1964: 151), figured by Johnson (1994, BMCZ 154: 16, pl. 4, fig. 22); paralectotype ANSP 391058.
- lumbalis* Gould, *Succinea* 1846, PBSNH 2: 183 (Kauai); 1852, USEE 12: 17, pl. 2, figs. 18, 18a, b; (Hawaii: Mauna Kea); 1862, *Otia Conch.*, pp. 28, 244. Figured holotype USNM 5418; paratypes MCZ 169231.
- luteostoma* Baldwin, *Achatinella* (*Bulimella*) 1895, PANSP 47: 217, pl. 10, figs. 7, 8 (Oahu: Palolo to Niu). Holotype ANSP 65704 (fig. 7), *teste* Pilsbry and Cooke (1913: 171); Baker (1963: 195) claims the [holotype] to be ANSP 65705a (fig. 8).
- lymaniana* Baldwin, *Achatinella* (*Bulimella*) 1895, PANSP 47: 219, pl. 10, figs. 12, 13 (Oahu: Waianae Mts.). Lectotype BPBM 10420 (fig. 13), selected and refigured by Welch (1938, BPBM Bull. 152: 129, pl. 13, fig. 2); paralectotypes BPBM 54934, MCZ 9464; not located in ANSP by Baker (1963).
- lyonsiana* Baldwin, *Achatinella* (*Bulimella*) 1895, PANSP 47: 218, pl. 10, figs. 9–11 (Oahu: Konhuanui Mt., 3,000 feet above sea level). Figured syntypes ANSP 65693; [holotype] ANSP 65693a [which type not indicated], *teste* Baker (1963: 195); [paratypes] ANSP 65693.
- lyrata* Gould, *Pupa* [*Vertigo*] 1843, PBSNH 1: 139 ([Oahu]); 1844, BJNH 4: pl. 16, fig. 19; 1862, *Otia Conch.*, p. 189. Holotype MCZ 169233 refigured by Pilsbry and Cooke (1920, MofC (2) 25: 233, pl. 19, fig. 4), also refigured by Johnson (1964, USNM Bull. 239: 107, pl. 40, fig. 3); paratype MCZ 169234, also figured by Pilsbry and Cooke (fig. 5).
- macromphala* Ancey, *Tornatellina* 1903 [1904], JdeC 51: 296, pl. 12, figs. 3, 4 (East Maui: Kaupakalua, Keanae; Oahu: Tantalus [near] Honolulu). Not mentioned by Fischer-Piette (1950: 171); syntypes BPBM 18439 mentioned by Pilsbry and Cooke (1915: 228); syntypes MCZ 199566 and 199567 all from Kaupakalua.
- macrotychia* Ancey, *Tornatellides* 1903 [1904], JdeC 51: 305, pl. 12, figs. 20, 21 (Maui: Kaupakalua). Holotype BPBM 18437 [18438 on plate caption] refigured by Pilsbry and Cooke (1916: 239, pl. 51, fig. 8); paratype BPBM 36262 (*Ibid.*, fig. 7); paratypes ANSP 111835; paratypes MCZ 97544.
- magna* C. B. Adams, *Achatinella* 1851, *Contributions to Conchology* (8): 125 ([Lanai]). Holotype MCZ 155953 figured by Johnson and Boss (1972, OPM 3: 208, pl. 42, fig. 10).
- magnapustulata* Cooke and Kondo, *Carelia paradoxo* 1952, BPBM Occ. Pap. 20(20): 341, figs. 5a–c

- (Kauai: Lapeuli). Holotype BPBM 9090; paratypes MCZ 187598.
- mahogani* Gulick, *Achatinella*
1858, ALNHNY 6: 254, pl. 8, fig. 72 (Oahu: Ahonui and Kalakoa). Holotype only; MCZ 39853 from Ahonui.
- makaouacensis* Pilsbry [in] Hyatt and Pilsbry, *Amastra* (*Amastra*)
1911, MofC (2) 21: 294, pl. 43, figs. 7-9 (East Maui: Makawao). Lectotype ANSP 6707a (fig. 7) selected by Baker (1963: 198); paralectotype MCZ 97652.
- malleata* Ancy, *Auriculella*
1904, PMSL 16: 120, pl. 7, fig. 12 (Oahu: Mt. Kaala [Waianae Mts.]). Holotype BPBM 18927, *teste* Cooke (1918: 293); paratype MCZ 73056.
- malleata* Smith [in] Gulick and Smith, *Amastra*
1873, PZS for 1873: 85, pl. 10, fig. 18 (East Maui: Kula). Holotype MCZ 39849; paratypes MCZ 136558 and 136861.
- maniensis* 'Newcomb' Pfeiffer, *Achatinella*
1856, PZS 23: 207 (Mani [Maui]). *Laps. cal.* for *maniensis*. Three syntypes BMNH 1996062 ex Cuming collection. *Achatinella maniensis* Newcomb, 1866, AJC 2: 217, pl. 13, fig. 6 (West Maui), emendation for *maniensis*; *Partulina maniensis* (Pfeiffer), Pilsbry and Cooke (1912: 20). Lectotype, here selected, CU 30013A is the type figured by Newcomb, so marked; paralectotypes CU 30013, not in MCZ; not located in ANSP by Baker (1963).
- marginata* Gulick, *Achatinella*
1856, ALNHNY 6: 179, pl. 6, fig. 7 (Oahu: Kalakoa). Holotype only, MCZ 39824.
- mastersi* Newcomb, *Achatinella*
1854, PZS 21: 153 (preprint p. 27), pl. 24, fig. 67 (Mani [Maui]); 1858, ALNHNY 6: 332 (Molokai, and is sparsely found on Maui). Lectotype, here selected, BMNH 1992263/1 is the figured type; paralectotypes BMNH 1992263/2; MCZ 142798 *all* from Maui. Specimens identified by Newcomb [idiotypes] CU 30012; MCZ 294940, *both* from Molokai.
- maniensis* Newcomb, *Achatinella*
See under: *maniensis* 'Newcomb' Pfeiffer, *Achatinella*.
- media* Hyatt and Pilsbry, *Amastra* (*Metamastra*) *textilis*
1911, MofC (2) 21: 167, pl. 30, figs. 11, 12 (Oahu: Aiea [Aiea], a short valley splitting the ridge northwest of Halawa). Holotype BPBM 72580; paratypes ANSP 104686 and MCZ 154726 ex BSNH 13378.
- meiweckeri* Cooke, *Amastra* (*Amastrella*) *anthonii*
1933, BPBM *Occ. Pap.* 10(6): 14, pl. 1, figs. 7, 11-15 (Kauai: Kalalau, on the northern side of the valley, east of the double waterfall). Holotype BPBM 10764 (fig. 7); paratype MCZ 97597.
- melanosis* Newcomb, *Achatinella*
1854, PZS 21: 144 (preprint p. 18), pl. 23, fig. 41 (Hawaii: [Mauna Loa]). Lectotype, here selected, BMNH 1992255 is the figured and only type, *teste* Naggs (personal communication); paralectotypes CU 30014; not in MCZ.
- melanostoma* Newcomb, *Achatinella*
1854, PZS 21: 132 (preprint p. 6), pl. 22, fig. 7 (Oahu: Ewa). Lectotype, here selected, BMNH 1992208/1 is the figured type, *teste* Welch; paralectotypes BMNH 1992208/2; MCZ 294946; not found in CU by Clarke (1960: 151).
- metamorphia* Pilsbry and Cooke, *Amastra* (*Cyclamastra*)
1914, MofC (2) 23: 19, pl. 5, figs. 1-5 (West Maui: Olowalu Gulch; Thaanum). Lectotype ANSP 109835a (fig. 1) selected by Baker (1963: 198); paralectotypes MCZ 97609 ex Cooke and MCZ 31157 ex Thaanum.
- micra* Cooke, *Leptachatina* (*Leptachatina*) *brevicula*
1910, MofC (2) 21: 24, pl. 8, fig. 55 (Kauai: Haleieie at 1,700 feet and Milolii at 1500 feet; Cooke). Holotype BPBM 12035; paratypes MCZ 97683 ex Cooke from Haleieie.
- micra* Cooke and Pilsbry [in] Pilsbry and Cooke, *Lyropupa*
1920, MofC (2) 25: 263, pl. 23, fig. 7; pl. 25, figs. 5-7 (Oahu: Kaelepulu, Kailua). Holotype ANSP 48626a (fig. 5), *teste* Baker (1963: 202); paratypes MCZ 78764.
- microstoma* Gould, *Achatinella*
1845, PBSNH 2: 28 ([Oahu]); 1862, *Otia Conch.*, p. 196, "... is *Helix textilis* Ferrussac." Lectotype MCZ 169244 selected by Johnson (1964, USNM *Bull.* 239: 110, pl. 41, fig. 6); paralectotypes MCZ 129445.
- microthamma* Ancy, *Lyropupa*
1904, PMSL 6: 126, pl. 7, fig. 20 (Oahu: Nuuanu Valley). Holotype BPBM 18750, *teste* Cooke and Pilsbry (1920: 238); paratypes MCZ 78754.
- minuta* Cooke and Pilsbry [in] Pilsbry and Cooke, *Auriculella*
1915, MofC (2) 23: 90, pl. 25, figs. 5-9 (Oahu: Nuuanu, Palolo). Holotype [so labeled] BPBM 42377; paratypes ANSP [no number] and MCZ 73037 from Nuuanu.
- modesta* C. B. Adams, *Achatinella*
1851, *Contributions to Conchology* (8): 128 ([Molokai]). Lectotype MCZ 155951 selected by Johnson and Boss (1972, OPM 3: 209, pl. 42, fig. 11); paralectotypes MCZ 156041.
- moesta* Newcomb, *Achatinella*
1854, PZS 21: 157 (preprint p. 31), pl. 24, fig. 77 (Ranai [Lanai]). Lectotype, here selected, BMNH 1992265 is the figured and only type, *teste* Naggs (personal communication).
- moloaensis* Cooke and Kondo, *Carelia olivacea*
1952, BPBM *Occ. Pap.* 20(20): 338, figs. 4, 4a-f (Kauai: Lapeuli Beach [and other localities]). Holotype BPBM 9091; paratypes MCZ 187595.
- molokaiensis* Cooke, *Leptachatina* (*Leptachatina*)
1910, MofC (2) 21: 22, pl. 10, figs. 11, 12 (Molokai: Mapulehu Ridge, Kaluaaha, and Wailau Pali; Thaanum). Holotype BMNH 12075; paratype MCZ 202818 from Kaluaaha ex Thaanum.

montana Baldwin, *Amastra*

1906, *Nautilus* 19: 136 (West Maui: Mt. Kukui summit, 6,000 feet above sea level). Syntype ANSP [no number] figured by Hyatt and Pilsbry (1911, *MofC* (2) 21: 308, pl. 43, fig. 18); Figured holotype ANSP 113073a, *teste* Baker (1963: 198).

montana Cooke [in] Pilsbry and Cooke, *Auriculella*

1915, *MofC* (2) 23: 82, pl. 27, fig. 9 (Oahu: Mt. Konahuanui, Lanihuli [unnamed variety]). Holotype ANSP 91819a, *teste* Baker (1963: 195); paratypes MCZ 73035 from Lanihuli.

moomomiensis Pilsbry and Cooke, *Amastra humilis*

1914, *MofC* (2) 23: 38, pl. 7, figs. 9–14 (Molokai: Pleistocene of the sand dunes of Moomomi, around base of the bluff). Lectotype ANSP 110594a (fig. 9) selected by Baker (1963: 198); paralectotypes BPBM [no number] and MCZ 97640.

moribida Cooke, *Leptachatina* (*Thaanumia*)

1911, *MofC* (2) 21: 87, pl. 13, fig. 12 (Molokai: Puu Kolekole; Thaanum). Holotype BPBM 12083; paratypes MCZ 202695 ex Thaanum.

muvida Baldwin, *Achatinella*

1895, *PANSP* 47: 222, pl. 10, fig. 23 (Molokai: Makakupaia). Holotype ANSP 65708a, *teste* Baker (1963: 195).

micronata Newcomb, *Achatinella*

1853, *ALNHNY* 6: 28 (Molokai); 1854, *PZS* 21: 146 (preprint p. 20), pl. 23, fig. 49 (Mani [Maui]). Lectotype, here selected, BMNH 1992258/1 is the figured type; paralectotypes BMNH 1992258/2; MCZ 141450 and 141460; all from Molokai. Specimens identified by Newcomb [idiotypes] CU 30019; MCZ 294949; both from Maui.

multilineata Newcomb, *Achatinella*

1854, *PZS* 21: 138 (preprint p. 12), pl. 22, fig. 23 (Oahu: Kolau poco). Lectotype, here selected, BMNH 1992191/1 is the "holotype" refigured by Welch (1938, *BPBM Bull.* 152: 19, pl. 1, fig. 2); paralectotype BMNH 1992191/2; four paralectotypes CU 30022 and 30023, with the note, "of the original lot of five specimens the one indicated by Newcomb is missing," Clarke (1960: 151) [as are all those described in the PZS]; paralectotype MCZ 294951.

multistrigata Pilsbry and Cooke, *Partulina*(*Partulina*) *theodorei*

1912, *MofC* (2) 22: 34, pl. 9, figs. 12, 13, 16 (Molokai). Lectotype ANSP 109844a (fig. 12) selected by Baker (1963: 195) paralectotypes MCZ 133548.

multizonata Baldwin, *Achatinella* (*Achatinellastrum*)

1895, *PANSP* 47: 215, pl. 10, figs. 1, 2 (Oahu: Nuuanu Valley). Figured syntypes ANSP 65703; [holotype] ANSP 65703a [which type not indicated], *teste* Baker (1963: 195); paratypes ANSP 65703 and MCZ 302448.

mustelina Mighels, *Achatinella*

1845, *PBSNH* 2: 21 (Oahu: Waianai [Waianae]). Lectotype MCZ 156494 selected by Johnson (1949, *OPM* 1: 227, pl. 27, fig. 10).

mutabilis Baldwin, *Partulina*

1908, *Nautilus* 22: 68 (West Maui: Waichu Valley). Syntypes ANSP [no number] figured by Pilsbry and Cooke (1913, *MofC* (2) 22: 68, pl. 20, figs. 1–7). Lectotype ANSP 110086a (fig. 1) selected by Baker (1963: 195).

nacca Gould, *Vertigo*

1862, *PBSNH* 8: 250 (Hawaii); 1862, *Otia Conch.*, p. 237. Lectotype MCZ 169259 selected by Johnson (1964, *USNM Bull.* 239: 114, pl. 42, fig. 2); paralectotypes MCZ 169260.

nana Baldwin, *Amastra* (*Amastra*)

1895, *PANSP* 47: 232, pl. 11, figs. 48, 49 (Maui: Makawao). Figured [holotype] ANSP 65718a (fig. 49), *teste* Baker (1963: 198); [paratypes] ANSP 65718, MCZ 97651 and 135746.

nannodes Cooke, *Amastra* (*Heteramastra*)

1933, *BPBM Occ. Pap.* 10(6): 26, pl. 2, fig. 16 (East Maui: Kula, near the division between the lands of Keokea and Kamaole). Figured syntype BPBM 10768; syntype MCZ 97615 from Keokea.

nattii 'Baldwin' Hartman, *Achatinella* (*Achatinellastrum*)

1888, *PANSP* 40: 34, pl. 1, fig. 3 [as *nealii* on plate caption] (East Maui: Makawao). Syntypes MCZ 135756 and 135757 both from Baldwin ex BSNH; not found in ANSP by Baker (1963).

neckeri Cooke and Kondo, *Tornatellides* (*Aedituans*)

1960 [1961], *BPBM Bull.* 221: 258, figs. 110a–f (Necker Island: Summit Hill). Holotype BPBM 8895; paratypes MCZ 187805 and 187806.

neglecta Pease, *Neritina*

1861, *PZS* 28: 435 (Sandwich [Hawaiian] Islands). Lectotype BMNH 1961186 selected by Kay (1965, *Bull. BMNH, Suppl.* 1: 56, pl. 4, figs. 5, 6); paralectotypes MCZ 297789.

nematoglypta Pilsbry and Cooke, *Leptachatina*

1914, *MofC* (2) 23: 14, pl. 9, figs. 9, 10 (Oahu: Halawa). Figured holotype ANSP 108322a, *teste* Baker (1963: 198); paratypes MCZ 202739 and 147043 from Kaeailoa ex Gulick collection mentioned in original description.

newcombii Lea, *Melania*

1856, *PANSP* 8: 145 (Oahu); 1866, *JANSP* (2) 6: 122, pl. 22, fig. 17; 1867, *Obs. Unio* 11: 78, pl. 22, fig. 17. Holotype USNM 119620; paratypes USNM 119620a and 119703; paratypes MCZ 298287 from Newcomb ex Gould collection.

nigra Newcomb, *Achatinella*

1855, *PBSNH* 5: 219 (East Maui); 1866, *AJC* 2: 210, pl. 13, fig. 3. Lectotype, here selected, CU 30028A is the figured type, so marked; paralectotypes CU 30025; MCZ 142799 and 294954; and BMNH 1995103 ex MCZ 294954; not in ANSP (Baker, 1963).

nigrolabris Smith [in] Gulick and Smith, *Amastra*

1873, *PZS* for 1873: 85, pl. 10, fig. 9 (Oahu: metropolis of the species is Wahiawa; it is also found in all the valleys from Kalaikoa to Waimea). Lectotype, here selected, BMNH 1992381/1 is the fig-

- ured type, so indicated; paralectotypes BMNH 1992381/2 and MCZ 136660 from Wahiawa.
- nitida* Newcomb, *Achatinella*
1853, ALNHNY 6: 29 (East Maui); 1854, PZS 21: 140 (preprint p. 14), pl. 23, fig. 30. Lectotype, here selected, BMNH 1992247/1 is the figured type; paralectotypes BMNH 1992247/2; CU 30030; MCZ 45185, 142957, 294920, and 315849.
- niuea* Baldwin, *Achatinella* (*Partulina*)
1895, PANSP 47: 222, pl. 10, fig. 19 (Maui: Makawao to Huelo). Figured holotype ANSP 65691a, *teste* Baker (1963: 196); paratypes MCZ 190771.
- nitosa* Newcomb, *Achatinella*
1854, PZS 21: 132 (preprint p. 6), pl. 22, fig. 6 (Oahu: Niu). "Is universally admitted to be a scraped A. *abbreviata*," *teste* Pilsbry and Cooke (1913: 123). Lectotype, here selected, BMNH 1992207/1 is the figured type, *teste* Welch; paralectotypes BMNH 1992207/2; not found in CU by Clarke (1960: 152); not in MCZ.
- nubigena* Pilsbry and Cooke, *Amastrea* (*Heteramastra*)
1914, MofC (2) 23: 48, pl. 5, figs. 11, 12; pl. 3, fig. 15 (West Maui: gulch to the right of Maunahoomaha, above Lahaina; Thaanum). Lectotype ANSP 109840a (pl. 5, fig. 11) selected by Baker (1963: 199); paralectotypes MCZ 141620 ex Thaanum.
- nubilosa* Mighels, *Achatinella*
1845, PBSNH 2: 20 (Oahu [Molokai]). Lectotype MCZ 165606 selected by Johnson (1949, OPM 1: 227, pl. 27, fig. 22); paralectotypes MCZ 156098.
- nucleola* Gould, *Achatinella*
1845, PBSNH 2: 28 ([Kauai]); 1862, *Otia Conch.*, p. 196, "... is *Achatinella brevis* Pfeiffer." Lectotype MCZ 169265 selected by Johnson (1961, USNM Bull. 239: 117, pl. 41, fig. 7); paralectotypes MCZ 169266.
- nucula* Smith [in] Gulick and Smith, *Amastrea*
1873, PZS for 1873: 85, pl. 10, fig. 19 (probably Lanai). Holotype only, MCZ 35893.
- nymph* Gulick, *Achatinella*
1858, ALNHNY 6: 251, pl. 5, fig. 69 (Oahu: Ahonui, Wahiawa, Helemanu [Helemanu], Kawaiolo, and Waimea). Holotype MCZ 39858 from Helemanu; paratype MCZ 40099 from Ahonui.
- oahuensis* Cooke and Pilsbry, *Nesopupa* (*Limbatipupa*)
1920, MofC (2) 25: 317, pl. 29, figs. 11, 12 (Oahu: Nuanu Valley at Luakuha Falls). Holotype BPBM 11075; paratypes MCZ 78511.
- oahuensis* Cooke and Pilsbry [in] Pilsbry and Cooke, *Tornatellides*
1915, MofC (2) 23: 222, pl. 48, figs. 8, 9 (Oahu: Kahuku). Holotype BPBM 14133; paratypes ANSP 111836 and MCZ 97516.
- oahuensis* Pilsbry and Cooke, *Helicina*
1908 BPBM Occ. Pap. 3(2): 199, fig. 1 (Oahu: Waianae Mountains: back of Leilehua Ranch-house). Holotype BPBM 14911; paratypes MCZ 191100.
- obesa* Newcomb, *Achatinella*
1853, ALNHNY 6: 24 (Maui: Hale-a-ka-la [Haleakala]); 1854, PZS 21: 143 (preprint p. 17), pl. 23, fig. 39. Lectotype, here selected, BMNH 1992254/1 is the figured type; paralectotypes BMNH 1992254/2; MCZ 142800, 156036, and 294969. Specimens identified by Newcomb [idiotypes] CU 30038.
- obliqua* Gulick, *Achatinella*
1855, ALNHNY 6: 245, pl. 8, fig. 63 (Oahu: Kahana). Holotype MCZ 39838; paratypes MCZ 40080, 170036, and 170042.
- oblonga* Pease, *Tornatellina*
1865, PZS for 1864: 673 (Islands of the Central Pacific); 1871, PZS for 1871: 473 (Tahiti). Lectotype MCZ 154941 selected by Johnson (1994, BMCZ 154: 18, pl. 4, fig. 6); paralectotypes MCZ 297947. Found in the Hawaiian Islands *teste* Cooke and Kondo (1961: 196–209).
- obscura* Newcomb, *Achatinella*
1854, PZS 21: 157 (preprint p. 31), pl. 24, fig. 78 (Ranai [Lanai]). Lectotype, here selected, BMNH 1992266/1 is the figured type; paralectotype BMNH 1992266/2; paralectotypes CU 30039; MCZ 142801 and 294937.
- occidentalis* Cooke, *Leptachatina* (*Leptachatina*) *nitida*
1910, MofC (2) 21: 43, pl. 2, fig. 22 (West Maui: Maunahoomaha, Thaanum and Cooke; Lahaina, Baldwin). Figured holotype BPBM 12033; paratypes MCZ 97665 ex Cooke.
- occidentalis* Pilsbry and Cooke, *Partulina* (*Partulina*) *dwyghtii*
1914, MofC (2) 22: 361, pl. 26, fig. 6 (Molokai: sand dunes of Moomomi, on the north coast almost due north of Mauna Loa; also summit of Mauna Loa). Holotype ANSP 105196a, *teste* Baker (1963: 196); paratypes MCZ 190672 from Mauna Loa.
- octogyrata* Gulick, *Achatinella*
1856, ALNHNY 6: 190, pl. 6, fig. 18 (Oahu: Palolo Valley). Holotype MCZ 39819; paratypes MCZ 45224 and 136961.
- olivacea* Cooke [in] Pilsbry and Cooke, *Auriculella*
1915, MofC (2) 23: 81, pl. 27, figs. 10, 11 (Oahu: Mt. Olympus at an elevation of about 2,500 feet, Konahuani at an elevation of 3,000 [sic] feet). Figured holotype BPBM 42370; paratypes MCZ 31189 from Mt. Olympus.
- olivacea* Pease, *Carelia*
1866, AJC 2: 293 (Sandwich [Hawaiian] Islands); 1871, PZS for 1871: 473 (Kauai). Holotype MCZ 57114, only specimen, *teste* Pease (1871a: 402), figured by Johnson (1994, BMCZ 154: 19, pl. 2, fig. 14); two specimens subsequently identified by Pease [idiotypes] MCZ 23343 figured by Pilsbry and Cooke (1914, MofC (2) 23: 16, pl. 9, figs. 11, 15).
- omomorpha* Gulick, *Achatinella*
1855, ALNHNY 6: 246, pl. 8, fig. 64 (Oahu: Kahana). Holotype only, MCZ 39836.
- orientalis* Hyatt and Pilsbry, *Amastrea reticulata*
1911, MofC (2) 21: 181, pl. 29, figs. 8–11 (Oahu:

- eastern range, Wahiawa; Gulick). Lectotype ANSP 92641a (fig. 8) selected by Baker (1963: 199) paralectotypes MCZ 136809 and 136510 ex Gulick collection 38, 1108
- ornata* Newcomb, *Achatinella*
1854, PZS 21: 149 (preprint p. 23), pl. 24, fig. 55 (East Mani [Maui] . . . found in a limited locality in a deep ravine, at the back of Lahaina). Lectotype, here selected, BMNH 1992223/1 is the figured type; paralectotypes BMNH 1992223/2; CU 30042 [though labeled West Maui]; MCZ 25905 and 294922.
- orycta* Cooke and Pilsbry [in] Pilsbry, *Pronesopupa* (*Sciricupua*)
1920, MofC (2) 26: 18, pl. 1, fig. 10 (Hawaii: Palihoukapapa; fossil). Holotype BPBM 11036; paratypes MCZ 180274.
- oswaldi* Welch, *Achatinella bulimoides*
1958, PANSP 110: 170, pl. 13, figs. 1, 1a, b, 2, 17, 17a, b (Oahu: Kahana-Punaluu Ridge). Holotype ANSP 192589 (fig. 2); paratypes MCZ 170019 (figs. 17, 17a, b).
- ovata* Newcomb, *Achatinella*
1853, ALNHNY 6: 22 (Oahu: Waiauaui [Waiaanae]); 1854, PZS 21: 130 (preprint p. 4), pl. 22, figs. 2, 2a (Oahu: Kahana, Koolan [Koolau]). Lectotype BMNH 1992193/1 is the figured type (fig. 2), selected and refigured by Welch (1958, PANSP 110: 186, pl. 14, fig. 8); paralectotype BMNH 1992193/2 (fig. 2a); paralectotypes BMNH 1992193/3; CU 30044; MCZ 294977 and 315852.
- ovatulata* Cooke, *Amastra* (*Amastralla*)
1933, BPBM Occ. Pap. 10(6): 17, pl. 2, figs. 5-7 (Kauai: Pleistocene deposits near the western edge of the Haena plain, deposits of similar age at Lihouli). Syntypes BPBM 10758 and 37537; syntype MCZ 97598 from Haena.
- ovatulata* Cooke and Pilsbry [in] Pilsbry and Cooke, *Lycopupa*
1920, MofC (2) 25: 265, pl. 23, fig. 11; pl. 24, figs. 1-5 (Oahu: Kaelepu, Kailua). Holotype ANSP 119434 (figs. 1-3) not mentioned by Baker (1963); paratypes MCZ 78777 and 180280.
- pachystoma* Pease, *Helicter* (*Labiella*)
1869, JdeC 17: 171 (Kauai). Measured holotype in MNHN, *teste* Fischer-Piette (1950, JdeC 90: 73, fig. 52); paratypes MCZ 45181.
- pagodula* Cooke, *Amastra* (*Amastralla*)
1917, BPBM Occ. Pap. 3(3): 237, pl. B, fig. 4 (Hawaii: Pleistocene at Huehue about 1000 feet elevation, Puwaawaa). Holotype [in] BPBM 41974; paratype MCZ 97653, all from Huehue.
- papyracca* Gulick, *Achatinella*
1856, ALNHNY 6: 229, pl. 7, fig. 48 (Oahu: Kalaikoa, Ahonui, and Wahiawa). Holotype only, MCZ 39865 from Kalaikoa.
- parvula* Gulick, *Achatinella*
1856, ALNHNY 6: 195, pl. 6, fig. 24 ([Maui]). Holotype only, MCZ 39815.
- patula* Mighels, *Succinea*
1845, PBSNH 2: 21 (Oahu). Not located by Johnson (1949: 227).
- paucicostatus* Pease, *Pithys*
1871, JdeC 18: 395 (Kauai). Lectotype MCZ 17271 selected by Johnson (1994, BMCZ 154: 20, pl. 2, fig. 7); paralectotypes MCZ 298476; not mentioned by Fischer-Piette (1950: 76).
- paulula* Cooke, *Amastra* (*Metamastra*)
1917, BPBM Occ. Pap. 3(3): 240, pl. B, fig. 6 (Oahu: Pleistocene of Malaikahana). Holotype [in] BPBM 41982; paratypes MCZ 97625.
- pauillus* Gould, *Helix*
See under: *pusillus* Gould, *Helix*.
- pellucida* Baldwin, *Amastra* (*Amastra*)
1895, PANSP 47: 231, pl. 11, figs. 41, 42 (Oahu: Waiaana Valley). Holotype ANSP 65721a (fig. 41), *teste* Baker (1963: 199).
- pellucida* Pilsbry and Cooke, *Auriculella auricula*
1915, MofC (2) 23: 80, pl. 24, fig. 10 (Oahu: Kaliuuaa, Punaluu, and Hauala). Figured holotype ANSP 92503a, *teste* Baker (1963: 196) from Kaliuuaa; paratypes MCZ 40319, 159523 and 159524 all from Kaliuuaa and 159519 from Hauala, all ex Gulick collection.
- peponum* Gould, *Pupa* [*Tornatellina*] [*Leptinaria*]
1847, PBSNH 2: 197 ([Hawaii: Hilo; Oahu]); 1852, USEE 12: 93, pl. 7, figs. 104, 104a-e; 1862, *Otia Conch.*, pp. 34, 244. Holotype USNM 5506 refigured by Pilsbry and Cooke (1915, MofC (2) 23: 157, pl. 35, figs. 1, 2); paratypes MCZ 175724 and 216798.
- perantiqua* Cooke and Kondo, *Partulina dubia*
1952, BPBM Occ. Pap. 20(20): 344, fig. 6c (Oahu: Kahuku Point). Holotype BPBM 9094; paratypes MCZ 187614.
- percostata* Pilsbry and Cooke, *Lycopupa micra*
1920, MofC (2) 25: 264, pl. 25, figs. 11, 12 (Oahu: Kaelepu, Kailua). Figured holotype ANSP 48627a, *teste* Baker (1963: 202); paratypes MCZ 78773.
- perlonga* Pease, *Vertigo*
1871, PZS for 1871: 462 (Oahu: [Nuuuanu]). Holotype MCZ 48063 figured by Pilsbry and Cooke (1920, MofC (2) 23: 258-259, pl. 23, figs. 1, 2).
- perkinsi* Sykes, *Newcombia*
1896, PMSL 2: 130 (Molokai: Molokai Mountains; Perkins); 1900, *Fauna Hawaiensis* 2(4): 332, pl. 11, fig. 36. Lectotype, here selected, BMNH 1900.12.18.1465 is the figured type, so labeled; paralectotypes BMNH 1900.12.18.1469-1487 and MCZ 135503 ex Sykes.
- perpusilla* Smith [in] Gulick and Smith, *Auriculella*
1873, PZS for 1873: 87, pl. 10, fig. 26 (Oahu: Kahaui). Holotype only, MCZ 39912 [fragment].
- perversa* Cooke [in] Pilsbry and Cooke, *Auriculella*
1915, MofC (2) 23: 90, pl. 25, figs. 3, 4 (Oahu: Nuuuanu, Kuliuouu). Holotype BPBM 42384; paratypes MCZ 73044; both from Nuuuanu.
- petila* Gulick, *Achatinella*
1856, ALNHNY 6: 189, pl. 6, fig. 17 (Oahu: Koko). Holotype MCZ 39813; paratype MCZ 245227.

petricola Newcomb, *Achatinella*

1855, ALNHNY 6: 143 (Molokai); 1866, AJC 2: 211, pl. 13, fig. 6 (on the rocky sides of a Oahi or precipice). Lectotype, here selected, CU 30069A appears to be the figured type; paralectotype CU 30069; not in MCZ; not found in ANSP by Baker (1963).

peza Gulick, *Achatinella*

1856, ALNHNY 6: 197, pl. 6, fig. 26 ([Oahu]). Holotype only, MCZ 39570, refigured by Pilsbry and Cooke (1913: 116, pl. 26, fig. 12; pl. 50, fig. 18).

pefferi Newcomb, *Achatinella*

1853, ALNHNY 6: 25 (Molokai); 1854, PZS 21: 150 (preprint p. 24), pl. 24, fig. 58. Syntypes MCZ 25906, 156039, and 294935; not located in BMNH by Naggs (personal communication); not found in CU by Clarke (1960: 153).

phaecostoma Ancey, *Partulina physa*

1904, PMSL 16: 121 ([Hawaii: 2 miles from Mana]). "Type" BPBM 18819, *teste* Pilsbry and Cooke (1913: 107); paratypes MCZ 190852.

phaozona Gulick, *Achatinella*

1856, ALNHNY 6: 214, pl. 7, fig. 40 (Oahu: Keo-waawa). Holotype MCZ 242163; paratype MCZ 241423 figured by Pilsbry and Cooke (1914: 184, pl. 24, fig. 11).

phyla Newcomb, *Achatinella*

1854, PZS 21: 152 (preprint p. 26), pl. 24, fig. 64 (Hawaii: Mouna [Mauna] Kea); 1855, PBSNH 5: 218, "immature state"; 1866, AJC 2: 214, pl. 13, fig. 10. Lectotype, here selected, CU 30072A is the figured type, so marked; paralectotypes CU 30072 and 30073; MCZ 154793 and 294950; not located in BMNH by Naggs (personal communication); not found in ANSP by Baker (1963).

picta Mighels, *Achatinella*

1845, PBSNH 2: 21 (Oahu [Maui]). Lectotype MCZ 176952 selected by Johnson (1949, OPM 1: 228, pl. 27, fig. 19); paralectotypes MCZ 165608.

pilsbryi Cooke, *Leptachatina* (*Leptachatina*)

1910, MofC (2) 21: 55, pl. 11, figs. 5, 6 (Oahu: Kukaieole in Kaaawa). Holotype BPBM 12072; paratypes MCZ 97707 and 202368.

pilsbryi Cooke, *Tornatellides*

1914, *Nautilus* 28: 79 (Oahu: Popouwela, in the Waianae Mts.); [in] Pilsbry and Cooke, 1915, MofC (2) 23: 221, pl. 48, figs. 5-7. Holotype BPBM 36261; paratypes [listed as cotypes] ANSP 111838 and 110764; paratype MCZ 97514.

platystyla Gulick, *Achatinella*

1856, ALNHNY 6: 196, pl. 6, fig. 25 (Oahu: Kawaihoa). Holotype only, MCZ 39539, refigured by Pilsbry and Cooke (1913: 116, pl. 26, fig. 11; pl. 50, fig. 17).

plicata "Mighels" Pfeiffer, *Achatinella*

1848, *Monographia Helicorum Viventium* 2: 235 (Molokai). The type figured by Reeve (1850, *Conchologia Iconica* 6, *Achatinella*: pl. 6, species 44) not located in BMNH by Naggs (personal communication); not located by Johnson (1949: 228).

plicifera Ancey, *Nesopupa*

1904, PMSL 6: 122, pl. 7, fig. 14 (Oahu: Nuanu Valley). Holotype BPBM 18703, *teste* Cooke and Pilsbry (1920: 250); paratypes MCZ 9646.

plumata Gulick, *Achatinella*

1856, ALNHNY 6: 217, pl. 7, fig. 41 (Oahu: Niu, Wailupe, Waialae, Palolo, and Kailua). Holotype MCZ 159597 from Waialae; paratypes MCZ 159612 and 159613; both from Niu.

plumbica Gulick, *Achatinella*

1856, ALNHNY 6: 213, pl. 7, fig. 39 (East Maui: Kula). Holotype MCZ 39832; paratypes MCZ 136520 and 136522.

pluscula Cooke, *Amastra* (*Cyclamastra*) *umbilicata*

1917, BPBM Occ. Pap. 3(3): 228, pl. C, fig. 2 (Hawaii: Kapulehu, in the district of North Kona, about 18,000 feet [sic] elevation). Holotype and paratypes [listed as cotypes] BPBM 41978; paratypes MCZ 97600.

polita Newcomb, *Achatinella*

1853, ALNHNY 6: 24 (Molokai); 1854, PZS 21: 142 (preprint p. 16), pl. 23, fig. 37. Lectotype, here selected, BMNH 1992215/1 is the figured type; paralectotypes BMNH 1992215/2; CU 30077; MCZ 25845 and 294964.

polymorpha Gulick [in] Gulick and Smith, *Apex*

1873, PZS for 1873: 81, pl. 10, fig. 5 (Oahu: typical forms are found in Waipio and Wahiawa. Varieties are sometimes found in Kalaikoa and Ahonui). Holotype MCZ 39901; paratypes MCZ 147167-147169; *all* from Waipio.

porcellana Newcomb, *Achatinella*

1854, PZS 21: 146 (preprint p. 20), pl. 23, fig. 47 (East Maui). Lectotype, here selected, BMNH 1992219 is the figured and only type; paralectotypes MCZ 25859; not found in CU by Clarke (1960: 153).

porphyrea Newcomb, *Achatinella*

1854, PZS 21: 136 (preprint p. 10), pl. 22, fig. 16 (Oahu: Waianoe [Waianae]). Lectotype, here selected, BMNH 1992243/1 is the figured type; paralectotypes BMNH 1992243/2; CU 30078; MCZ 294970.

porphyrostoma Pease, *Heliciter* (*Amastra*)

1869, JdeC 17: 172 (Oahu). Two syntypes MCZ 45256, one of which was figured by Hyatt and Pilsbry (1911, MofC (2) 21: 226, pl. 37, fig. 13).

porrecta Mighels, *Paludina*

1845, PBSNH 2: 22 (Oahu). Not located by Johnson (1949: 228).

prasinus Reeve, *Achatinella*

1850, *Conchologia Iconica* 6, *Achatinella*: pl. 4, species 27 ([Hawaiian Islands]; Cuming collection). Lectotype, here selected, BMNH 1992198/1 is the figured type; paralectotypes BMNH 1992198/2; MCZ 298282 *ex* Cuming.

prisca Ancey, *Lygropupa magdalenae*

1904, JoFM 11: 68, pl. 5, fig. 19 ([Hawaii: Mana; Pleistocene]). Holotype BPBM 18746, *teste* Cooke and Pilsbry (1920: 244); paratypes MCZ 180232.

problematica Cooke, *Amastra* (*Cyclamastra*)

1933, BPBM Occ. Pap. 10(6): 9, pl. 1, fig. 5 (Oahu:

- Kawailoa [and several other localities]). Holotype BPBM 10772; paratype MCZ 97616.
- procerula* Ancey, *Tornatellina*
1903 [1904], JdeC **51**: 302, pl. 12, figs. 13, 14 (Maui: Kaupakaha). Lectotype BPBM 36246 selected by Pilsbry and Cooke (1915, MofC **2**: 23; 205, pl. 45, figs. 4, 5); paralectotypes MCZ 75389.
- producta* Mighels, *Physa*
1845, PBSNH **2**: 21 (Oahu). Not located by Johnson (1949: 228).
- producta* Reeve, *Achatinella*
1850, *Conchologia Iconica* **6**, *Achatinella*: pl. 2, species 13 (Sandwich [Hawaiian] Islands; Cuming collection). Lectotype, here selected, BMNH 1992197/1 is the figured type, *teste* Welch; paralectotypes BMNH 1992197/2; MCZ 298283 ex Cuming.
- proximus* Pease, *Helicis*
1862, PZS for 1862: 6 (Molokai). Lectotype MCZ 25823 selected by Johnson (1994, BMCZ **154**: 21, pl. 4, fig. 1).
- pulchra* Cooke, *Leptachatina* (*Leptachatina*)
1910, MofC (2) **21**: 29, pl. 10, figs. 7, 8 (Oahu: Waianae Mts. back of Leilehua). Holotype BPBM 12078; paratype MCZ 97696.
- pulchra* Pease, *Auriculella*
1868, JdeC **16**: 346, pl. 14, fig. 6 ([Oahu]). Holotype and four paratypes in MNHN, *teste* Fischer-Piette (1950: 71); paratypes MCZ 161609.
- pullata* Baldwin, *Amastira* (*Amastira*)
1895, PANSP **47**: 228, pl. 11, figs. 31, 32 (Molokai: Waikolu). Figured syntypes ANSP 65715; [holotype] ANSP 65715a [which type not indicated], *teste* Baker (1963: 199); [paratypes] MCZ 47228.
- pumicatus* Mighels, *Bulimus*
1845, PBSNH **2**: 19 (Oahu [Kauai]). Lectotype MCZ 177002 selected by Johnson (1949, OPM **1**: 228, pl. 27, fig. 13); paralectotypes MCZ 156033.
- pupoidea* Cooke, *Leptachatina*
1911, MofC (2) **21**: 74, pl. 7, figs. 43, 44 (Kauai: Milolii at 1,500 feet). Holotype BPBM 12009; paratypes MCZ 97679.
- pupoidea* Newcomb, *Achatinella*
1854, PZS **21**: 144 (preprint p. 18), pl. 23, fig. 42 (East Maui). Lectotype, here selected, BMNH 1992256/1 is the figured type; paralectotypes BMNH 1992256/2; CU 30086, all labeled as from West Maui; MCZ 294967.
- pusilla* Newcomb, *Achatinella*
1855, ALNHNY **6**: 144 (Ranai [Lanai]); 1866, AJC **2**: 211, pl. 13, fig. 6. Lectotype, here selected, CU 30087A appears to be the figured type; paralectotypes CU 30087; MCZ 294974; not in ANSP (Baker, 1963).
- pusilla* Gould, *Helix*
1846, PBSNH **2**: 171 ([East] Maui: mountains); 1852, USEE **12**: 40, pl. 3, figs. 46, 46a-c. Not *Helix pusillus* Vallot, 1803; Lowe, 1831; Sachi, 1832; Roemer, 1839; or Pfeiffer, 1839; changed to: *Helix pauxillus* Gould; 1862, *Otia Conch.*, pp. 19, 243. Holotype USNM 20964.
- puukolekolensis* Pilsbry and Cooke,
Lycopupa kahoalavensis
1920, MofC (2) **25**: 258, pl. 26, figs. 9, 12 (Molokai: Puukolekole). Lectotype ANSP 119475 (fig. 9) selected by Baker (1963: 202); paralectotypes MCZ 78771.
- pygmaea* Smith [in] Gulick and Smith, *Achatinella*
1873, PZS for 1873: 75, pl. 9, fig. 11 (Oahu: Wai-pio). Holotype only, MCZ 39881.
- pyramidalis* Gulick, *Achatinella*
1856, ALNHNY **6**: 204, pl. 7, fig. 32 (Maui: Lahaina). Holotype MCZ 39861; paratypes MCZ 136541.
- pyramis* Pfeiffer, *Achatinella*
1846, PZS **13**: 90 (Sandwich [Hawaiian] Islands); Reeve, 1850, *Conchologia Iconica* **6**, *Achatinella*: pl. 6, species 41. Lectotype, here selected, BMNH 1992237/1 is the figured type [damaged]; paralectotypes BMNH 1992237/2; MCZ 298250 ex Cuming.
- quadrata* Ancey, *Succinea*
1904, PMSL **6**: 119, pl. 7, fig. 5 (Hawaii: Olaa, Kaiwiki, 2,550 feet above sea level). Holotype BPBM 18994; paratypes MCZ 190645.
- radiata* Gould, *Achatinella*
1845, PBSNH **2**: 27 ([Maui]); 1862, *Otia Conch.*, p. 195. Not located in Gould "type" collection by Johnson (1964, USNM Bull. 239: 138). Syntypes MCZ 298281 ex Gould collection.
- recta* Newcomb, *Achatinella*
1854, PZS **21**: 145 (preprint p. 19), pl. 23, fig. 45. Lectotype, here selected, BMNH 1992218/1 is the figured type, *teste* Welch; paralectotype BMNH 1992218/2; not found in CU by Clarke (1960: 153); not in MCZ.
- redfieldi* Newcomb, *Achatinella*
1853, ALNHNY **6**: 22 (Maui [Maui]: Wailuku); 1854, PZS **21**: 131 (preprint p. 6), pl. 22, fig. 5 (Molokai and East Maui). Lectotype, here selected, BMNH 1992206/1 is the figured type from [Molokai: Makakupia]; paralectotypes BMNH 1992206/2; CU 30091; MCZ 294921 from Molokai.
- reevei* C. B. Adams, *Achatinella*
1851, *Contributions to Conchology* (8): 128. New name for *Achatinella viridans* Reeve, non Mighels 1845.
- renyi* Newcomb, *Achatinella*
1855, ALNHNY **6**: 146 (Ranai [Lanai]); 1866, AJC **2**: 215, pl. 13, fig. 13. Lectotype, here selected, CU 30093A is the figured type, so marked; paralectotype CU 30093; not in MCZ; not in ANSP (Baker, 1963).
- resinula* Gulick, *Achatinella*
1856, ALNHNY **6**: 174, pl. 6, fig. 2 (Oahu: Kawailoa, Waimea, Pupukea, Waialei, and Punaluu). Holotype MCZ 39812; paratypes MCZ 136951 and 136952; all from Kawailoa.
- reticulata* Gould, *Physa*
1847, PBSNH **2**: 214 (Sandwich [Hawaiian] Is-

- lands); 1852, USEE 12: 118, pl. 9, figs. 140, 140a-b; 1862, *Otia Conch.*, p. 43. Holotype USNM 4440 [badly broken]; paratypes USNM 20710 and MCZ 216780.
- reticulata* Newcomb, *Achatinella*
1854, PZS 21: 148 (preprint p. 22), pl. 24, fig. 54 (Oahu: Waianae [Waianae]). Lectotype, here selected, BMNH 1992260/1 is the figured type; paralectotypes BMNH 1992260/2; CU 30095; MCZ 294962.
- rhabdota* Cooke and Pilsbry [in] Pilsbry and Cooke, *Lypopupa*
1920, MofC (2) 25: 239, pl. 20, fig. 2 (Molokai: Pelekunu). Holotype BPBM 11040; paratypes MCZ 78752.
- rhadina* Cooke and Pilsbry, *Nesopupa* (*Nesodagys*) *wesleyana*
1920, MofC (2) 25: 301, pl. 29, fig. 13 (Molokai: Pohoula). Holotype BPBM 11083; paratypes MCZ 78793.
- rigida* Hyatt [in] Hyatt and Pilsbry, *Carelia*
1911, MofC (2) 21: 111, pl. 21, figs. 8, 13 (Kauai). Holotype BPBM 73841; paratypes MCZ 85147 ex BSNH.
- ronaldi* Cooke and Pilsbry [in] Pilsbry and Cooke, *Tornatellides*
1915, MofC (2) 23: 234, pl. 50, figs. 7, 8 (Oahu: Palehua in the Waianae Mts.). Holotype BPBM 36267; paratypes ANSP 111844 and MCZ 97539.
- rosealimbata* Welch, *Achatinella bulimoides*
1954, PANSP 106: 73, pl. 1, figs. 9-11, 18 (Oahu: North Poamoho Stream). Holotype BPBM 10512; paratypes BPBM 122301; paratypes MCZ 138642 (fig. 9) and 138643 from Poamoho Gulch south of Pa Kanaka Plateau [and additional type lots from other localities].
- rospectica* Pilsbry and Cooke, *Achatinella* (*Bulimella*) *sowerbyana*
1914, MofC (2) 22: 180, pl. 34, fig. 12 (Oahu: Opaepala above forest-fence line). Lectotype ANSP 107990a (fig. 12) selected by Baker (1963: 196); paralectotypes MCZ 31150.
- rotelloidea* Mighels, *Helicina*
1845, PBSNH 2: 19 (Oahu [Kauai]). Lectotype MCZ 156499 selected by Johnson (1949, OPM 1: 228, pl. 27, fig. 21).
- rotunda* Gulick, *Achatinella*
1858, ALNHNY 6: 249, pl. 8, fig. 67 (Oahu: Kaawa [Kaaawa] and Kahana). Holotype MCZ 39833 from Kaaawa; paratypes MCZ 170079 and 170083; both from Kahana.
- rubella* Pease, *Succinea*
1871, PZS for 1871: 460 (Lanai). Lectotype MCZ 161671 selected by Johnson (1994, BMCZ 154: 22, pl. 4, fig. 13).
- rubens* Gould, *Achatinella*
1845, PBSNH 2: 27 (Sandwich [Hawaiian] Islands); 1862, *Otia Conch.*, p. 195. Lectotype MCZ 169350 selected by Johnson (1964, USNM Bull. 239: 142, pl. 42, fig. 6); paralectotypes MCZ 169351.
- rubicunda* Baldwin, *Amastra* (*Amastra*)
1895, PANSP 47: 229, pl. 11, fig. 38, (Oahu: Konahuani Mt.). Holotype ANSP 65719a, *teste* Baker (1963: 199).
- rubida* Gulick [in] Gulick and Smith, *Amastra*
1873, PZS for 1873: 84, pl. 10, fig. 12 (Oahu: Kahuku). Holotype MCZ 39858; paratypes MCZ 136727.
- rubiginosa* Gould, *Helix*
1846, PBSNH 2: 173 (Kauai); 1852, USEE 12: 50, pl. 4, figs. 49, 49a-c; 1862, *Otia Conch.*, pp. 21, 243. Holotype USNM 5449.
- rubiginosa* Newcomb, *Achatinella*
1854, PZS 21: 154 (preprint p. 25), pl. 24, fig. 69 (Oahu: Palolo). Lectotype, here selected, BMNH 1992213/1 is the figured type, *teste* Welch; paralectotypes BMNH 1992213/2; CU 30103; MCZ 294961.
- rubinia* Hyatt [in] Hyatt and Pilsbry, *Amastra* (*Amastrella*) *rubens*
1911, MofC (2) 21: 193, pl. 32, fig. 16 (Oahu: Kukaiala). Lectotype ANSP 92481a (fig. 16) selected by Baker (1963: 199); paralectotypes USNM 4710 and MCZ 136759 ex BSNH.
- rubristoma* Baldwin, *Amastra*
1906, *Nautilus* 19: 137 (Lanai). Syntypes ANSP [no number] figured by Hyatt and Pilsbry (1911, MofC (2) 21: 242, pl. 39, figs. 5, 6); [holotype] ANSP 113063a [which type not indicated], *teste* Baker (1963: 199).
- rufa* Newcomb, *Achatinella*
1853, ALNHNY 6: 21 (Molokai); 1854, PZS 21: 130 (preprint p. 4), pl. 22, fig. 3. Lectotype, here selected, BMNH 1992203/1 is the measured and figured type; paralectotypes BMNH 1992203/2; CU 30105; MCZ 25820-25822 and 294938.
- rugata* Pease, *Helix*
1866, AJC 2: 291 (Sandwich [Hawaiian] Islands); 1871, PZS for 1871: 474 as *Endodonta* (Maui). Lectotype MCZ 17237 selected by Johnson (1994, BMCZ 154: 22, pl. 3, fig. 3); paralectotypes MCZ 298479; not located in ANSP by Baker (1963: 233), or elsewhere by Solem (1976: 377).
- rugosa* Newcomb, *Achatinella*
1854, PZS 21: 138 (preprint p. 12), pl. 22, figs. 22, 22a (Oahu: Ewa). Lectotype, here selected, BMNH 1992212/1 is the figured type (fig. 22); figured paralectotype (fig. 22a) BMNH 1992212/2; paralectotypes BMNH 1992212/3; CU 30109; MCZ 25726 and 294968.
- rugulosa* Pease, *Amastra*
1870, JdeC 18: 95 (Kauai); Crosse, 1876, JdeC 24: 99, pl. 1, figs. 4, 4a. Holotype and fragment of paratype in MNHN, *teste* Fischer-Piette (1950: 149 [as second reference to A. A. *rugulosa* only]); paratypes MCZ 45255.
- rustica* Gulick [in] Gulick and Smith, *Amastra*
1873, PZS for 1873: 84, pl. 10, fig. 17 (East Maui: Kula). Holotype MCZ 39895; paratypes MCZ 136899.
- rutila* Newcomb, *Achatinella*

- 1854, PZS 21: 135 (preprint p. 12), pl. 22, fig. 21 (Oahu: Niu). Lectotype, here selected, BMNH 1992211/1 is the figured type; paralectotypes BMNH 1992211/2; CU 30113; MCZ 25696.
- sanguinea* Newcomb, *Achatinella*
1854, PZS 21: 135 (preprint p. 9), pl. 22, fig. 15 (Oahu: Lihui). Lectotype, here selected, BMNH 1992242/1 is the measured and figured type; paralectotypes BMNH 1992242/2; CU 30114; MCZ 141213 and 294927.
- saxatilis* Gulick, *Achatinella*
1856, ALNHNY 6: 187, pl. 6, fig. 15 (Oahu: Mokuleia). Holotype MCZ 39811; paratypes MCZ 45226 and 136925.
- saxicola* Baldwin, *Amastrea*
1903, *Nautilus* 17: 34 (Hawaii: [Kahuka Ranch], Kau). Syntype [no number] figured by Hyatt and Pilsbry (1911, MofC (2) 21: 317, pl. 47, fig. 16) not found in ANSP by Baker (1963); syntypes MCZ 135768, syntypes BPBM 23148.
- scitula* Gulick, *Achatinella*
1858, ALNHNY 6: 241, pl. 8, fig. 61 (Oahu: Hakupu). Holotype only, MCZ 39850.
- scutillus* Mighels, *Bulimus*
1845, PBSNH 2: 20 (Oahu). Not located by Johnson (1949: 228).
- semicarinata* Newcomb, *Achatinella*
1854, PZS 21: 156 (preprint p. 30), pl. 24, fig. 76 (Ranai [Lanai]). Lectotype, here selected, BMNH 1992236/1 is the figured type; paralectotypes BMNH 1992236/2; CU 30116, but not located in CU by Clarke (1960: 154); not in MCZ.
- seminuda* Baldwin, *Amastrea*
1906, *Nautilus* 19: 137 (Molokai: Waikolu). Syntypes Baldwin collection figured by Hyatt and Pilsbry (1911, MofC (2) 21: 264, pl. 37, figs. 18–20); [holotype] ANSP 113054a [which type not indicated], *teste* Baker (1963: 199).
- semiplicata* Pease, *Melampus* (*Tralia*)
1860, PZS 28: 146 (Sandwich [Hawaiian] Islands). Lectotype BMNH 1962773 selected by Kay (1965, *Bull. BMNH. Zool. Suppl.* 1: 30, pl. 4, fig. 7); paralectotypes MCZ 176566.
- semivestita* Hyatt and Pilsbry, *Laminella venusta*
1911, MofC (2) 21: 349, pl. 51, figs. 6–10, 12 (Molokai). Lectotype ANSP 92686a (fig. 8) selected by Baker (1963: 199); paralectotypes MCZ 165673 ex BSNH.
- senilis* Baldwin, *Amastrea*
1903, *Nautilus* 17: 35 (Hawaii: Palihoukapapa on the Hamakua slope of Maunakea, at an elevation of 4,000 feet). Holotype ANSP 113076a figured by Hyatt and Pilsbry (1911, MofC (2) 21: 311, pl. 47, fig. 5) [broken], *teste* Baker (1963: 199).
- sepulta* Pilsbry and Cooke, *Amastrea humilis*
1914, MofC (2) 23: 39, pl. 7, figs. 15–17 (Molokai: Pleistocene of the sand dunes of Moomomi, around base of the bluff). Lectotype ANSP 110595a (fig. 15) selected by Baker (1963: 199); paralectotype MCZ 97641.
- serrula* Cooke [in] Pilsbry and Cooke, *Auriculella*
1915, MofC (2) 23: 93, pl. 25, figs. 13, 14 (Oahu: Mt. Konahuanui at about 3,000 feet; Kuliouou). Holotype BPBM 42388; paratypes MCZ 141615 from Mt. Konahuanui.
- setigera* Gould, *Helix* [*Pitys*]
1844, PBSNH 1: 174 (Sandwich [Hawaiian] Islands), non Sowerby 1841; 1852, USEE 12: 55, pl. 4, figs. 52, 52a–c (East Maui), as *Helix hystrix* Mighels which was listed there by Gould as having been described and figured by Pfeiffer (1846, *Synbolae ad Historiam Helicorum* (Cassels) 3: 67 and 1852 [in] Martini and Chemnitz, *Systematisches Conchylien-Cabinet* (2) 1 (pt. 12, sec. 2): 132, pl. 89, figs. 8–11); 1862, *Otia Conch.*, pp. 194, 243. Thus *Helix hystrix* "Mighels" Gould is a subjective synonym. In spite of the statement by Johnson (1961: 148), the figured holotype is USNM 5453; paratypes MCZ 169367 and 87861.
- similaris* Pease, *Amastrea rugulosa*
1870, JdeC 18: 96 (Kauai [Waimea]). Lectotype MCZ 45253 selected by Johnson (1994, BMCZ 154: 24, pl. 2, fig. 11); paralectotypes MCZ 58936 and 298498.
- simplex* Pease, *Heliceter* (*Leptachatina*)
1869, JdeC 17: 170 (Hawaii). Measured holotype in MNHN, *teste* Fischer-Piette (1950: 73); paratype ANSP 57821 figured by Cooke (1910, MofC (2) 21: 38, pl. 1, figs. 8, 9); paratypes MCZ 45176.
- simulator* Pilsbry and Cooke, *Achatinella cestus*
1914, MofC (2) 22: 285, pl. 55, figs. 2–4 (Oahu: Palolo; Gulick). Holotype ANSP 92592a (fig. 2) *teste* Welch (1942: 34, pl. 4, fig. 12); paratypes MCZ 40219 ex Gulick collection.
- singularis* Cooke and Pilsbry [in] Pilsbry and Cooke, *Nesopupa* (*Limbatipupa*)
1920, MofC (2) 25: 320, pl. 29, fig. 8 (Oahu: Kaliuwa, on the rocky walls of the canyon, near the waterfall). Holotype BPBM 11077; paratypes MCZ 78810.
- sinistrosa* Baldwin, *Amastrea* (*Laminella*)
1906, *Nautilus* 19: 138 (Hawaii: Hamakua). Syntype Baldwin collection figured by Hyatt and Pilsbry (1911, MofC (2) 21: 310, figs. 6, 7); [holotype] ANSP 113079a, *teste* Baker (1963: 199).
- solida* Pease, *Heliceter* (*Amastrea*)
1869, JdeC 17: 173 (Oahu). Two of three syntypes from MCZ 23341 and 141338 figured by Pilsbry and Cooke (1914, MofC (2) 23: 28, pl. 7, figs. 2, 3); syntype in MNHN *teste* Fischer-Piette (1950: 73).
- solitaria* Newcomb, *Achatinella*
1854, PZS 21: 150 (preprint p. 24), pl. 24, fig. 60 (Oahu: Palolo). Holotype BMNH 1992225 is the only specimen, *teste* Newcomb. Five specimens under this name MCZ 241420, ex Gulick collection 614 from Niu, with the note "one of these received from Newcomb" [not marked].
- sordida* Newcomb, *Achatinella*
1854, PZS 21: 139 (preprint p. 13), pl. 23, fig. 27 (Oahu: Lettui [Lihui]). Syntypes CU 30118 men-

- tioned by Welch (1938: 31); syntypes MCZ 294942; not located in BMNH by Welch (1938:31) or by Naggs (personal communication).
- soror* Newcomb, *Achatinella*
1854, PZS 21: 143 (preprint p. 17), pl. 23, figs. 36, 38 (Maui). Lectotype, here selected, BMNH 1992-253/1 (fig. 36); paralectotypes BMNH 1992253/2; CU 30119; MCZ S8128 and 294928.
- spadicea* Gulick, *Achatinella*
1858, ALNHNY 6: 247, pl. 8, fig. 65 (Oahu: Kahana). Holotype only, MCZ 39840 refigured by Welch (1954, PANSP 106: 87, pl. 1, fig. 14); specimen identified by Gulick [idiotype] from Hakipuu figured by Welch (*ibid.*, fig. 15).
- spaldingi* Cooke and Pilsbry [in] Pilsbry and Cooke, *Lypropupa*
1920, MofC (2) 25: 248, pl. 21, figs. 10, 12, 13 (Oahu: Puu Kaua). Holotype BPBM 11048 (figs. 12, 13); paratypes MCZ 75761.
- spaldingi* Cooke and Pilsbry [in] Pilsbry and Cooke, *Tomatellides*
1915, MofC (2) 23: 230, pl. 53, figs. 6-8 (Oahu: Kaaawa). Figured syntypes BPBM 36259; syntypes ANSP 111845 and MCZ 97517.
- spaldingi* Neal, *Pleuropoma lacinoso*
1934, BPBM Bull. 125: 45, figs. 49, 50 (Oahu: Waianae Mountains, Puu Kaala, near spring; elevation about 3,000 feet). Holotype BPBM 11217; paratypes MCZ 191114.
- sphaerica* Pease, *Amastra*
1870, JdeC 18: 94 (Kauai [Waimea]); Crosse, 1876, JdeC 24: 98, pl. 1, figs. 5, 5a. Holotype and paratype in MNHN, *teste* Fischer-Piette (1950: 149 [as first reference to *A. A. rugulosa*]); paratypes MCZ 45162.
- spinigera* Cooke and Pilsbry [in] Pilsbry, *Pronesopupa (Pronesopupa) boettgeri*
1920, MofC (2) 26: 10, pl. 1, fig. 11 (Oahu: Luakaha, Nuuanu). Holotype BPBM 11031; paratypes MCZ 78814.
- splendida* Newcomb, *Achatinella*
1853, ALNHNY 6: 20 (Mani [Maui]; Waialuku); 1854, PZS 21: 131 (preprint p. 5), pl. 22, fig. 4. Lectotype, here selected, BMNH 1992205/1 is the figured type, so marked; paralectotypes BMNH 1992205/2; CU 30122; MCZ 294925.
- stellula* Gould, *Helix [Pitys]*
1844, PBSNH 1: 174 (Sandwich [Hawaiian] Islands); 1852, USEE 12: 56, pl. 4, figs. 52a+c+ (Maui). Lectotype MCZ 169383 selected by Johnson (1964, USNM Bull. 239: 152, pl. 38, fig. 3).
- stiria* Gulick, *Achatinella*
1856, ALNHNY 6: 194, pl. 6, fig. 22 (Oahu: Helemanu [Helemano], Peula, and Kawailoa). Holotype only, MCZ 239808 from Helemano.
- straminea* Cooke [in] Pilsbry and Cooke, *Auriculella*
1915, MofC (2) 23: 77, pl. 24, fig. 13 (Oahu: Mt. Tantalus). Holotype BPBM 42366; paratype MCZ 73033.
- striata* Newcomb, *Tomatellina*
1861, PCANS 2: 93 (Kauai). Not located in CU by Clarke (1960: 154); Cooke (1910: 62) suggested that "[p]robably the type was in the California Academy and is now destroyed [in the 1909 earthquake]" However, all of the other taxa described in the same paper are represented by type material in CU.
- striatella* Gulick, *Achatinella*
1856, ALNHNY 6: 178, pl. 6, fig. 6 (Oahu: on the mountain ridge of Keawaawa). Holotype MCZ 39805; paratypes MCZ 40300 and 136987.
- striatula* Gould, *Achatinella [Leptachatina]*
1845, PBSNH 2: 28 (Sandwich [Hawaiian] Islands); 1862, *Otia Conch.*, p. 196, ". . . is *A. clara* Pfeiffer (1860)." Syntypes MCZ 169386, "The bottle in which are the types of this species, contains a varied assortment of different species" (Cooke, 1911: 75).
- striatula* Pease, *Vertigo*
1871, PZS for 1871: 461 (Hawaii: [Kalapana, Puna]). Lectotype MCZ 45239 selected by Johnson (1994, BMCZ 154: 25), is the syntype figured by Pilsbry and Cooke (1926, MofC (2) 27: 223, pl. 28, figs. 1, 2); paralectotypes MCZ 151647 and BPBM ex MCZ.
- subassimilis* Hyatt [in] Hyatt and Pilsbry, *Amastra assimilis*
1911, MofC (2) 21: 307, pl. 46, figs. 7, 8 (Maui: Waialua). Figured holotype MCZ 136876; paratypes MCZ 136877; both ex Gulick collection 1519.
- subcentralis* Cooke and Pilsbry [in] Pilsbry and Cooke, *Nesopupa (Infranesopupa)*
1920, MofC (2) 25: 294, pl. 28, fig. 8 (Hawaii: Palihoukapapa). Holotype BPBM 15699; paratypes MCZ 78799.
- subcornea* Hyatt and Pilsbry, *Amastra (Metanastra)*
1911, MofC (2) 21: 189, pl. 31, fig. 11 (Oahu: near the base of Round Top, toward Rocky Hill, where the Manoa road enters the valley back of Punahou; fossil). Holotype BPBM 23497; paratypes ANSP 104659 and MCZ 154740 ex BSNH 13397.
- subcrassilabris* Hyatt and Pilsbry, *Amastra (Amastra)*
1911, MofC (2) 21: 293, pl. 45, figs. 14, 15 (East Maui: Kula; Gulick). Holotype MCZ 136902; paratype MCZ 136901; both ex Gulick collection 1541.
- subobscura* Hyatt and Pilsbry, *Amastra (Amastra)*
1911, MofC (2) 21: 276, pl. 42, fig. 6 (Molokai: Ualapue). Holotype MCZ 154729 ex BSNH 13447.
- subocata* Cooke, *Leptachatina (Leptachatina)*
1910, MofC (2) 21: 37, pl. 11, fig. 2 (Lanai: [Koele Gulch]; Thaanum). Holotype BPBM 12063; paratypes MCZ 97693 and 202585.
- subpolita* Hyatt and Pilsbry [in] Pilsbry and Cooke, *Partulina (Partulina)*
1914, MofC (2) 22: 359, pl. 23, fig. 1 (Molokai: Ualapue). Figured holotype ANSP 106992, *teste* Baker (1963: 196); paratypes MCZ 190629.
- subpolita* Pilsbry and Cooke, [*Partulina*]

- 1912, MofC (2) 22: 24 (Molokai). Published in a key to the Achatinellae of Molokai. Subsequently formally described by Hyatt and Pilsbry. See next reference.
- subpulla* Hyatt and Pilsbry, *Amastra* (*Amastra*) *affinis*
1911, MofC (2) 21: 300, pl. 45, figs. 3, 4 (East Maui; Kula). Figured holotype MCZ 136897 (fig. 3); figured paratype MCZ 302521 (fig. 4); both ex Gulick collection 1546.
- subrutula* Mighels, *Helix*
1845, PBSNH 2: 19 (Oahu). BPBM 36606 figured by Baker (1940, BPBM *Bull.* 165: 163, pl. 41, fig. 2; pl. 28, fig. 15) appears to have been selected as neotype. Not located by Johnson (1964: 229).
- subrosor* Hyatt and Pilsbry, *Amastra* (*Heteramastra*)
1911, MofC (2) 21: 287, pl. 48, figs. 6, 7 (West Maui; Lahaina). Figured holotype ANSP 57786a (fig. 6) *teste* Baker (1963: 199); paratypes MCZ 136893 ex Gulick collection and MCZ 154725 ex BSNH.
- subtilissima* Gould, *Helix* [*Zonites*]
1846, PBSNH 2: 177 (Maui); 1852, USEE 12: 48, pl. 5, figs. 62, 62a-c; 1862, *Otia Conch.*, p. 24. Lectotype USNM 5464 selected by Baker (1941: 216). Gould appears to have had before him only the single imperfect specimen figured. Specimens subsequently identified by Gould [idiotypes] MCZ 169384 and 169385.
- subula* Gulick, *Achatinella*
1856, ALNHNY 6: 191, pl. 6, fig. 19 (Oahu; Palolo Valley). Holotype MCZ 39804; paratypes MCZ 45630.
- subvirens* Newcomb, *Achatinella*
1854, PZS 21: 136 (preprint p. 10), pl. 22, fig. 18 (Oahu; Niu). Lectotype, here selected, BMNH 1992209/1 is the measured and figured type; paralectotypes BMNH 1992209/2; CU 30130; MCZ 25692 and 294931.
- succincta* Newcomb, *Achatinella*
1855, PBSNH 5: 220 (Oahu; Ewa); 1866, AJC 2: 213, pl. 13, fig. 7. Lectotype, here selected, CU 30132A is the figured type, so marked; paralectotypes CU 30132; MCZ 142990, 143004, and 294972; not in ANSP (Baker, 1963).
- sulcolosa* Ancey, *Helicina*
1904, PMSL 6: 127, pl. 7, fig. 25 (Hawaii; Olaa). Syntypes MCZ 191112.
- suiffii* Newcomb, *Achatinella*
1854, PZS 21: 133 (preprint p. 7), pl. 22, figs. 9, 9a ([Oahu]; District of Ewa). Lectotype, here selected, BMNH 1992214/1 is the figured type (fig. 9); measured and figured (fig. 9a) paralectotype BMNH 1992214/2 is identified as *A. turgida* Newcomb by Pilsbry (1914: 308); paralectotypes BMNH 1992214/3; CU 30134; MCZ 25549 and 294978.
- sykesi* Pilsbry [in] Hyatt and Pilsbry, *Amastra* (*Amastra*)
1911, MofC (2) 21: 273, pl. 42, figs. 2, 3 (Molokai; Halawa; Thaanum). Figured syntypes BPBM 5316 ex Thaanum; syntypes MCZ 31179 ex Thaanum and 97646 ex BPBM.
- sykesii* Cooke and Pilsbry [in] Pilsbry and Cooke, *Tornatellaria*
1916, MofC (2) 23: 265, pl. 55, fig. 6 (Hawaii; Hi'o, Thaanum; Olaa, Thaanum, and Cooke). Holotype BPBM 14194 from Olaa, *teste* Cowie et al. (1995a: 82); paratypes ANSP 111858; paratypes MCZ 97565 and 141621 *both* from Olaa.
- talpina* Gulick, *Achatinella*
1856, ALNHNY 6: 212, pl. 7, fig. 38 (Maui; Wailuku). Holotype MCZ 39863; paratypes MCZ 136568, 136572, and 136573.
- tappaniana* C. B. Adams, *Achatinella*
1851, *Contributions to Conchology* (8): 126 ([Maui]). Holotype MCZ 155949 figured by Johnson and Boss (1972, OPM 3: 215, pl. 42, fig. 8).
- tenebrosa* Cooke, *Carelia*
1931, BPBM *Bull.* 85: 75, pl. 14, figs. 6-8 (Kauai; on the upper slopes and top of Haupu, the highest peak of the Kipu range, 1,500-2,200 feet elevation). Holotype BPBM 86151a (fig. 7); paratypes MCZ 143813.
- tenebrosa* Pease, *Leptachatina*
1870, JdeC 18: 92 (Kauai [Waimea]); Crosse, 1876, JdeC 24: 97, pl. 3, fig. 5. Holotype in MNHN, *teste* Fischer-Piette (1950: 149); paratypes MCZ 45189 and 50110.
- tenella* Gould, *Vitrina*
1846, PBSNH 2: 181 (Kauai); 1852, USEE 12: 11, pl. 1, figs. 10, 10a-c; 1862, *Otia Conch.*, p. 26. Holotype USNM 20874.
- tenerrima* Ancey, *Succinea*
1904, PMSL 6: 118, pl. 7, fig. 2 (Hawaii; Kaiwiki, 2,500-2,600 feet above sea level). Holotype BPBM 18995; paratypes BPBM 19037 and MCZ 31219.
- tenuicostata* Pease, *Heliciter* (*Leptachatina*)
1869, JdeC 17: 170 (Hawaii). Holotype in MNHN figured by Fischer-Piette (1950, JdeC 90: 72, pl. 3, fig. 51).
- tenuilabris* Gulick [in] Gulick and Smith, *Amastra*
1873, PZS for 1873: 83, pl. 10, fig. 16 (Oahu; Paoa). Holotype only, MCZ 39919.
- tenuis* Smith [in] Gulick and Smith, *Auriculella*
1873, PZS for 1873: 87, pl. 10, fig. 27 (Oahu; Kalaikoa, Wahiaawa, Helemano, and Kawaioloa). Lectotype, here selected, BMNH 1992201 is the figured and only type, from Helemano; paralectotypes MCZ 39917, from Kalaikoa.
- tenuispira* Baldwin, *Amastra* (*Amastra*)
1895, PANSP 47: 232, pl. 11, fig. 51 (Oahu; Kaala Mt.). Figured holotype ANSP 65720a, *teste* Baker (1963: 199).
- terebrata* Ancey, *Tornatellina*
1903 [1904], JdeC 51: 303, pl. 12, figs. 17, 18 (Maui [Maui]; Kaupakalua). Not mentioned by Fischer-Piette (1950: 171); "type" BPBM 18450, *teste* Pilsbry and Cooke (1915: 245); paratypes MCZ 165797 and 199564.
- terebrata* Newcomb, *Achatinella*

- 1854, PZS **21**: 144 (preprint p. 18), pl. 23, fig. 40 (West Maui). Lectotype, here selected, BMNH 1992216/1 is the figured type; paralectotypes BMNH 1992216/2; CU 30144; MCZ 294955.
- terebralis* Gulick, *Achatinella*
1856, ALNHNY **6**: 193, pl. 6, fig. 21 (Oahu: Kawailoa). Holotype MCZ 39506; paratypes MCZ 45234.
- tessellata* Newcomb, *Achatinella*
1853, ALNHNY **6**: 19 (Molokai); 1854, PZS **21**: 139 (preprint p. 13), pl. 23, fig. 26 (Molokai: Kalai). Lectotype, here selected, BMNH 1992213/1 is the figured type; paralectotypes BMNH 1992213/2; CU 30147; MCZ 25816, 186537, and 294956.
- tetrao* Newcomb, *Achatinella*
1855, PZS **22**: 311; 1855, PBSNH **5**: 219 (Ranai [Lanai]); 1866, AJC **2**: 214, pl. 13, figs. 11, 12. Lectotype, here selected, CU 30149A is the figured type, so marked; paralectotypes CU 30149; MCZ 141211; not found in ANSP by Baker (1963).
- [*thaanumi*] *thaanumi* Pilsbry and Cooke, *Achatinella* (*Achatinellastrum*)
1914, MofC (2) **22**: 273, pl. 42, figs. 5, 6 (Oahu: Waianae range, a gulch of Mt. Kaala running into Haleuanu; Thaanum). Holotype MCZ 190915 ex Thaanum. "We here select *thaanumi* as the correct original spelling." (Cowie et al., 1995a: 54).
- thaanumi* Aucey, *Succinea*
1899, PMSL **3**: 272, pl. 12, fig. 3 (Hawaii: Olaa). Syntypes [labeled paratypes] BPBM 19038; syntypes MCZ 190647.
- thaanumi* Cooke, *Carelia paradoxa*
1931, BPBM *Bull.* **85**: 92, pl. 16, fig. 8 (Kauai: south side of the [Wailua] River in a cane field south of gate, near the base of the Kalepa range). Holotype BPBM 49265; paratypes MCZ 202829.
- thaanumi* Cooke, *Leptachatina* (*Thaanumia*)
1911, MofC (2) **21**: 88, pl. 6, figs. 16, 17 (Molokai: Mapulehu ridge; Thaanum). Figured holotype BPBM 12023; paratypes MCZ 202829 ex Thaanum.
- thaanumi* Cooke and Pilsbry [in] Pilsbry and Cooke, *Lycopupa*
1920, MofC (2) **25**: 242, pl. 20, figs. 12, 13 (East Maui: Auwahi). Holotype BPBM 11043 (fig. 12); paratypes MCZ 78749.
- thaanumi* Pilsbry [in] Hyatt and Pilsbry, *Pterodiscus*
1911, MofC (2) **21**: 125, pl. 24, figs. 1, 2 (Oahu: Kukaieole, near Kaaawa, on the northeastern coast). Figured holotype ANSP 95045a, *teste* Baker (1963: 199); paratypes MCZ 190557.
- thaanumiana* Pilsbry [in] Pilsbry and Cooke, *Partulina* (*Balducinia*)
1913, MofC (2) **22**: 112, pl. 18, figs. 6, 7 (West Maui: Waiehu Gulch). Lectotype ANSP 110090 (fig. 6) selected by Baker (1963: 196); paralectotypes MCZ 190914.
- thaanumia* Cooke and Pilsbry [in] Pilsbry and Cooke, *Lycopupa*
1920, MofC (2) **25**: 270, pl. 24, figs. 13-15; pl. 25, fig. 14 (Kauai: Hanakapiai). Holotype BPBM 11061 (pl. 24, figs. 13-15); paratypes MCZ 78775.
- theodorei* Baldwin, *Achatinella* (*Partulina*)
1895, PANSP **47**: 226, pl. 10, fig. 27 (Molokai: Kawela). Figured holotype ANSP 65710a, *teste* Baker (1963: 196); paratype MCZ 104712.
- thuringi* Pilsbry and Cooke, *Partulina* (*Perdicella*)
1914, MofC (2) **22**: 357, pl. 54, figs. 6, 6a, 6b (East Maui: Auwahi; Thaanum). Lectotype ANSP 111441a (fig. 6) selected by Baker (1963: 196); paralectotypes MCZ 190598 and 190599 *both* ex Thaanum.
- tiara* Mighels, *Helix*
1845, PBSNH **2**: 19 (Kauai). Lectotype MCZ 176994 selected by Johnson (1949, OPM **1**: 229, pl. 27, fig. 23).
- torrida* Gulick, *Achatinella*
1858, ALNHNY **6**: 250, pl. 8, fig. 6S (Oahu: Kahana, Kaawa [Kaaawa], Waikane, and Waiolu). Holotype MCZ 39856; paratypes MCZ 39769-39771; *all* from Waiolu.
- tricolor* Smith [in] Gulick and Smith, *Achatinella*
1873, PZS for 1873: 76, pl. 9, fig. 6 (Oahu: Ioleka, in Heia). Holotype only, MCZ 39877.
- trilineata* Gulick, *Achatinella*
1856, ALNHNY **6**: 226, pl. 7, fig. 46 (Oahu: Palolo, Waialae, Waihupe, and Ni'u). Holotype MCZ 39882 from Waialae; paratypes MCZ 155639 from Palolo.
- triplicata* Pease, *Auriculella*
1868, JdeC **16**: 346 ([Oahu]). Lectotype MCZ 45150 selected by Johnson (1994, BMCZ **154**: 26, pl. 2, fig. 9); paralectotypes MCZ 298487; not located in MNHN by Fischer-Piette (1950: 71).
- tritica* Gulick, *Achatinella*
1856, ALNHNY **6**: 184, pl. 6, fig. 12 (Oahu: Keawaawa). Holotype MCZ 39807; paratypes MCZ 45235 and 147018.
- tryphera* Cooke and Pilsbry [in] Pilsbry and Cooke, *Nesopupa* (*Nesodagys*) *wesleyana*
1920, MofC (2) **25**: 301, pl. 29, fig. 3 (Oahu: Palolo). Holotype BPBM 11082; paratypes MCZ 78792.
- tsunami* Cooke and Kondo, *Carelia pilsbryi*
1952, BPBM *Occ. Pap.* **20**(20): 335, figs. 3a-d (Kauai: Lepeuli Beach). Figured syntypes BPBM 190567A-D; syntypes MCZ 187596.
- tuberas* Gulick [in] Gulick and Smith, *Apex*
1873, PZS for 1873: 81, pl. 10, fig. 3 (Oahu: metropolis of the species is Kalaikoa; it is also found in Ahonui; and single specimens have been brought up from Wahiawa and Helemano). Holotype only, MCZ 39900 from Kalaikoa.
- tumefactus* Gulick [in] Gulick and Smith, *Apex*
1873, PZS for 1873: 82, pl. 9, fig. 20 ([Oahu]: Wahiawa, rarely in Helemano). Holotype only, MCZ 39908 from Wahiawa.
- turbiniiformis* Gulick [in] Gulick and Smith, *Apex*
1873, PZS for 1873: 81, pl. 10, fig. 7 (Oahu: Kalaikoa and Lehui). Holotype only, MCZ 39910 from Lehui.
- turgida* Newcomb, *Achatinella*

- 1854, PZS 21: 134 (preprint p. 8), pl. 22, figs. 10, 10a (Oahu: Ewa). Lectotype BMNH 1992192/1 (fig. 10) selected and refigured by Welch (1942, SMC 103(1): 68, pl. 6, fig. 2 [fig. 3 on plate caption]); figured (fig. 10a) paralectotype BMNH 1992192/2; paralectotypes BMNH 1992192/3; CU 30154; MCZ 25540 and 294936.
- turgidula* Pease, *Leptachatina*
1870, JdeC 18: 89 (Kauai: [Waimea]); Crosse, 1876, JdeC 24: 96, pl. 4, fig. 5. Holotype in MNHN, *teste* Fischer-Piette (1950: 149); paratypes MCZ 45182 and 45183.
- turgidula* Pease, *Linnaea*
1870, AJC 6: 5, pl. 3, fig. 3 (Oahu). Lectotype MCZ 298901 selected by Johnson (1994, BMCZ 154: 26, pl. 4, fig. 11); paralectotypes MCZ 298902; two paralectotypes ANSP 21923, though not located in ANSP by Baker (1964: 154).
- turricula* Mighels, *Achatina*
1845, PBSNH 2: 20 (Oahu [Kauai, Waioli-Waipua Ridge, *teste* Cooke (1931: 61)]). Lectotype MCZ 156495 selected by Johnson (1949, OPM 1: 230, pl. 2, fig. 8); paralectotypes MCZ 156042.
- turrita* Gulick, *Achatinella*
1856, ALNHNY 6: 192, pl. 6, fig. 20 (Oahu: Lihue). Holotype MCZ 39825; paratypes MCZ 136917.
- ualapuensis* Pilsbry and Cooke, *Newcombia cinnamomea*
1912, MofC (2) 22: 12, pl. 2, figs. 11, 12 (Molokai: Ualapue, Kahaanui). Figured holotype ANSP 94490a, *teste* Baker (1963: 196); paratypes MCZ 190547 from Ualapue.
- uberita* Gould, *Helicina*
1847, PBSNH 2: 202 (Maui and Oahu Mountains); 1852, USEE 12: 94, pl. 7, figs. 114, 114a-c. Holotype USNM 5516; paratypes MCZ 169411, 186722, and 216555; localities not differentiated.
- ultima* Pilsbry and Cooke, *Amastra* (*Cyclanastra*)
1914, MofC (2) 23: 25, pl. 2, figs. 9, 10 (Hawaii: Kahuku, Kau). Lectotype ANSP 108146a (fig. 10) selected by Baker (1963: 199); paralectotype MCZ 97599.
- umbilicata* Ancey, *Auriculella*
1889, BMSF 6: 232 (Maui: Lahaina). Holotype BPBM 18451, *teste* Pilsbry and Cooke (1916: 260); paratypes MCZ 165798.
- umbilicata* Mighels, *Physa*
1845, PBSNH 2: 21 (Oahu). Not located by Johnson (1949: 230).
- unbrosa* Baldwin, *Amastra* (*Amastra*)
1895, PANSP 47: 229, pl. 11, figs. 36, 37 (Molokai: Kamalo). Figured syntypes ANSP 65714; [holotype] ANSP 65714a [which type not indicated], *teste* Baker (1963: 199).
- undata* Baldwin, *Amastra* (*Amastra*)
1895, PANSP 47: 230, pl. 11, fig. 39 (Oahu: Nu-uamu). Figured holotype ANSP 65722, *teste* Baker (1963: 199).
- undosa* Gulick, *Achatinella*
1856, ALNHNY 6: 205, pl. 7, fig. 33 (Maui: Waihee). Holotype MCZ 39848; paratypes MCZ 136525.
- undulata* Newcomb, *Achatinella*
1855, PBSNH 5: 218 (Oahu: Waialua); 1866, AJC 2: 216, pl. 13, fig. 15. Lectotype, here selected, CU 30160A is the figured type, so marked; paralectotypes CU 30160 and MCZ 294966; not located in ANSP by Baker (1963).
- uniplicata* Pease, *Auriculella*
1868, JdeC 16: 344, pl. 14, figs. 7, 7a (Maui: [Lahaina]). Two figured syntypes in MNHN, *teste* Fischer-Piette (1950: 71); syntypes MCZ 159563 and 161636.
- ustulata* Gulick, *Achatinella*
1856, ALNHNY 6: 211, pl. 7, fig. 37 (Maui: Beautiful Valley). Holotype only, MCZ 39853.
- varia* Cooke, *Leptachatina* (*Leptachatina*)
1910, MofC (2) 21: 32, pl. 11, fig. 1 (Molokai: Paliko-I in Halawa and fossil at the mouth of Halawa Valley; Thaanum). Holotype BPBM 12066; paratypes MCZ 97685 ex Cooke and 202554 ex Thaanum.
- varia* Gulick, *Achatinella*
1856, ALNHNY 6: 222, pl. 7, fig. 43 (Oahu: Palolo, Waialae and Wailupe). Holotype MCZ 39843 from Palolo; paratypes MCZ 159620 and 159629; both from Waialae.
- variabilis* Newcomb, *Achatinella*
1854, PZS 21: 154 (preprint p. 28), pl. 24, fig. 70 (Ranai [Lanai]). Lectotype, here selected, BMNH 1992232/1 is the figured type; paralectotypes BMNH 1992232/2; CU 30164; MCZ 25856 and 294979.
- variabilis* Pease, *Carelia*
1871, JdeC 18: 402 (Kauai). Single specimen found; not mentioned by Fischer-Piette (1950: 76), or found by Johnson (1994).
- venulata* Newcomb, *Achatinella*
1854, PZS 21: 146 (preprint p. 20), pl. 23, figs. 48, 48a (Oahu: Kolau). Is *A. producta* Reeve, *teste* Newcomb (1858: 315). Lectotype, here selected, BMNH 1992220/1 (fig. 48); paralectotype BMNH 1992220/2; not located in CU by Clarke (1960: 155); not in MCZ.
- venusta* Gould, *Succinea*
1846, PBSNH 2: 186 (Hawaii); 1852, USEE 12: 22, pl. 2, figs. 25, 25a-c (Hawaii: Mount [Mauna] Kea at an elevation of 7,000 feet); 1862, *Otia Conch.*, p. 30. Figured holotype USNM 5425; paratypes MCZ 39647 and 169417.
- venusta* Mighels, *Achatinella*
1845, PBSNH 2: 21 (Oahu [Molokai]). Neotype Portland Society of Natural History 218, selected by Hyatt and Pilsbry (1911, MofC (2) 21: 348, pl. 51, fig. 12). Most of the Portland collection went to the MCZ in 1962, the rest to the Delaware Museum of Natural History. The neotype has not been located at either institution. The type figured by Reeve (1850, *Conchologia Iconica* 6 *Achatinella*, pl. 5, species 32) not located in BMNH by Naggs (per-

- sonal communication); not located by Johnson (1949: 230).
- versicolor* Gulick [in] Gulick and Smith, *Apex* 1873, PZS for 1873: 80, pl. 9, fig. 18 (Oahu: Ahonui and Kalaikoa). Holotype MCZ 39907; paratypes MCZ 147191, 147192, and 147197; all from Ahonui; paratypes MCZ 147193, 147194, and 147196; all from Kalaikoa.
- versipellis* Gulick, *Achatinella* 1856, ALNHNY 6: 224, pl. 7, figs. 44a, b (Oahu: Pohakunui, in Kailua). Holotype MCZ 39837 (fig. 44a); paratype MCZ 39871 (fig. 44b is variety b).
- vesicalis* Gould, *Succinea* 1846, PBSNH 2: 183 (Hawaii: Mauna Kea, elevation of 7,000 ft.); 1852, USEE 12: 21, pl. 2, figs. 17, 17a; 1862, *Otia Conch.*, pp. 25, 244. Holotype USNM 5417, reduced to fragments.
- vespertina* Baldwin, *Achatinella* (*Apex*) 1895, PANSF 47: 219, pl. 10, fig. 14 (Oahu: Kawailoa). Figured holotype ANSP 65699a, *teste* Baker (1963: 197).
- vestita* Mighels, *Achatinella* 1845, PBSNH 2: 20 ([Oahu]: Waianai [Waianae]; Hawaii). Syntypes Jay collection [no number]. Listed by Jay (1850: 215) as a synonym of *Achatinella decora* Férussac. Not located by Johnson (1949: 230).
- vetuscula* Cooke, *Amastra* (*Amastra*) *uniplicata* 1917, BPBM *Occ. Pap.* 3(3): 244, pl. A, fig. 5 (Molokai: Pleistocene of the shifting sands north of Mauna Loa and directly south of Laina where the pipe line crosses the shifting sands). Holotype and paratypes [listed as cotypes] BPBM 41992; paratypes MCZ 97645.
- vetusta* Baldwin, *Amastra* (*Amastra*) 1895, PANSF 47: 233, pl. 11, fig. 50 (Oahu: near the base of Punchbowl Hill Twenty or thirty feet above sea level, near Honolulu). Figured holotype ANSP 65717a, *teste* Baker (1963: 199).
- violacea* Newcomb, *Achatinella* 1853, ALNHNY 6: 18 (Molokai); 1854, PZS 21: 135 (preprint p. 9), pl. 22, fig. 14. Lectotype, here selected, BMNH 1992241/1 is the figured type; paralectotypes BMNH 1992241/2, CU 30174; MCZ 141459 and 156035.
- vires* Gulick, *Achatinella* 1858, ALNHNY 6: 254, pl. 8, fig. 73 (Oahu: Halawa and Nuuanu). Holotype only, MCZ 39880 from Nuuanu.
- virgula* Cooke and Pilsbry [in] Pilsbry and Cooke, *Tornatellides* 1915, MofC (2) 23: 241, pl. 51, figs. 10, 14 (East Maui: Kaupakalua). Figured syntypes BPBM 36264; syntypes ANSP 111849 and MCZ 97543.
- virgulata* Mighels, *Partula* 1845, PBSNH 2: 20 ([Oahu]: Waianai [Waianae] [is from Molokai, *teste* Pilsbry and Cooke (1912: 26)]). Lectotype MCZ 177008 selected by Johnson (1949, OPM 1: 231, pl. 37, fig. 9); paralectotypes MCZ 156037.
- viridans* Mighels, *Achatinella* 1845, PBSNH 2: 20 (Oahu). Lectotype MCZ 188052 selected by Johnson (1954, OPM 1: 447, pl. 58, fig. 1).
- viridis* Pease, *Carelia variabilis* 1870, JdeC 18: 402 (Kauai: east side). Pilsbry and Cooke (1914, MofC (2) 23: 16, pl. 9, fig. 11) suggest that this specimen figured from MCZ 23343 may be the type of *viridis*; not mentioned by Fischer-Piette (1950: 76).
- vitrea* Newcomb, *Achatinella* 1854, PZS 21: 142 (preprint p. 16), pl. 23, fig. 34 (Oahu: near the summit of the mountain ridge dividing Manoa from Palolo Valley). Lectotype, here selected, BMNH 1992251/1 is the figured type; paralectotypes BMNH 1992251/2; CU 30181; MCZ 142991 and 294965.
- vitreola* Gulick, *Achatinella* 1856, ALNHNY 6: 194, pl. 6, fig. 23 ([West Maui]). Holotype MCZ 39809; paratype MCZ 45236.
- vittata* Reeve, *Achatinella* 1850, *Conchologia Iconica* 6, *Achatinella*, pl. 2, species 9 ([Oahu]). Lectotype, here selected, BMNH 1996009/1, is the figured type; paralectotypes BMNH 1996009/2; paralectotypes MCZ 25523 ex Cuming.
- volutata* Gould, *Limnea* 1847, PBSNH 2: 211 (Oahu); 1852, USEE 12: 122, pl. 9, figs. 142, 142a, b. Probable holotype USNM 5542; paratypes MCZ 169427 and 216788.
- waianaensis* Cooke and Pilsbry [in] Pilsbry and Cooke, *Nesopupa* (*Nesopupilla*) 1920, MofC (2) 25: 281, pl. 27, figs. 4-6 (Oahu: Waianae Mts. at Pukaloa, in the open valley near the "Hunter's Cabin"). Holotype BPBM 11064; paratypes MCZ 78782.
- waianaensis* Pilsbry and Cooke, *Laminella gravida* 1915, MofC (2) 23: 54, pl. 1, figs. 7, 8 (Oahu: Halaeauau, Waianae Mountains). Holotype ANSP 109903a (fig. 8) *teste* Baker (1963: 199); paratypes MCZ 31204.
- wailauensis* Pilsbry and Cooke, *Newcombia canaliculata* 1912, MofC (2) 22: 7, pl. 14, fig. 5 (Molokai: Wailau). Lectotype ANSP 110069a (fig. 5) selected by Baker (1963: 197); paralectotypes MCZ 19053 and 31211.
- wailauensis* Pilsbry [in] Hyatt and Pilsbry, *Amastra* (*Amastra*) *violacea* 1911, MofC (2) 21: 258, pl. 39, figs. 13, 14; pl. 27, figs. 1, 2 (Molokai: Wailau). Figured holotype ANSP 104670 (pl. 39, fig. 14) *teste* Baker (1963: 199); paratype MCZ 97608.
- wesleyana* Ancey, *Nesopupa* 1904, PMSL 6: 123, pl. 7, fig. 16 (Hawaii: Hilo [and other localities]). Holotype BPBM 18704, *teste* Cooke and Pilsbry (1920: 300); paratypes MCZ 78791 and 199569.
- wheatleyana* Pilsbry [in] Pilsbry and Cooke, *Achatinella* (*Bulimella*) *elegans* 1913, MofC (2) 22: 168, pl. 28, figs. 11, 11a, b

(Oahu: Punaluu; Gulick). Holotype ANSP 92449 (fig. 11a); paratypes MCZ 170034 ex Gulick.
winniei Baldwin, *Partulina*
 1908, *Nautilus* **22**: 67 (West Maui: Kahakuloa).
 Syntypes ANSP [no number] figured by Pilsbry and
 Cooke (1912, MofC (2) **22**: 44, pl. 13, figs. 1–3).
 [Holotype] ANSP 10508a [which type not indicat-
 ed], *teste* Baker (1963: 197).

zebra Newcomb, *Achatinella*
 1855, ALNHNY **6**: 142 (East Maui). Specimens
 identified by Newcomb [idiotypes] CU 30185, *teste*
 Clark (1960: 156); not in MCZ.

zonata Gulick, *Achatinella*
 1858, ALNHNY **6**: 238, pl. 8, fig. 58 (Oahu: Wai-
 mea, Pupukea, Waialei, Kahuku, Hauula, and Kaa-
 wa [Kaaawa]). Holotype only, MCZ 39851 from
 Waialei.

LIST OF SPECIES BY AUTHOR

Adams, Charles Baker

decepta, *Achatinella*
dimondi, *Achatinella*
dubiosa, *Achatinella tapanianua*
lata, *Achatinella dimondi*
magna, *Achatinella*
modesta, *Achatinella*
reevei, *Achatinella*
tapaniana, *Achatinella*

Ancey, César-Marie Félix

abbreviata, *Tornatellina*
balduini, *Helicina*
balduini, *Nesopupa*
carbonaria, *Lyropupa*
casta, *Succinea*
cincta, *Tornatellina*
clathratula, *Lyropupa*
cyphostyla, *Tornatellina*
delicata, *Succinea*
dissotropis, *Helicina*
euryomphala, *Tornatellina*
extincta, *Tornatellina*
garrettiana, *Succinea*
hawaiiensis, *Lyropupa mirabilis*
heliciformis, *Amastra*
henshawi, *Tornatellina*
macromphala, *Tornatellina*
macroptychia, *Tornatellides*
malleata, *Auriculella*
microthauma, *Lyropupa*
phaecostoma, *Partulina physa*
plicifera, *Nesopupa*
prisca, *Lyropupa magdalenae*
procerula, *Tornatellina*
quadrata, *Succinea*
sulculosa, *Helicina*
tenerrima, *Succinea*
terebra, *Tornatellina*

thaanumi, *Succinea*
umbilicata, *Auriculella*
wesleyana, *Nesopupa*

Baldwin, Dwight David

anceyana, *Achatinella*
antigua, *Amastra*
aspera, *Laminella*
aurostoma, *Amastra*
badia, *Amastra*
breviata, *Amastra*
canaliculata, *Achatinella*
carinella, *Newcombiana*
carnicolor, *Partulina*
conica, *Amastra*
cookei, *Achatinella*
cooperi, *Partulina*
cyclostoma, *Amastra*
depicta, *Laminella*
dolei, *Achatinella*
dupplicata, *Laminella*
ernestina, *Achatinella*
flemingi, *Partulina*
fossilis, *Amastra*
fulvicans, *Partulina*
hawaiiensis, *Achatinella*
hayseldeni, *Partulina*
helvina, *Laminella*
henshawi, *Amastra*
horneri, *Achatinella*
juddii, *Achatinella*
kaeana, *Partulina*
knudsenii, *Amastra*
lemmoni, *Partulina*
luteostoma, *Achatinella*
lymaniana, *Achatinella*
lyonsiana, *Achatinella*
montana, *Amastra*
mucida, *Achatinella*
multizonata, *Achatinella*
mutabilis, *Partulina*
nana, *Amastra*
nivea, *Achatinella*
pellucida, *Amastra*
pullata, *Amastra*
rubicunda, *Amastra*
rubristoma, *Amastra*
saxicola, *Amastra*
seminuda, *Amastra*
senilis, *Amastra*
sinistrosa, *Amastra*
temuispira, *Amastra*
theodorei, *Achatinella*
umbrosa, *Amastra*
undata, *Amastra*
vespertina, *Achatinella*
vetusta, *Amastra*
winniei, *Partulina*

Cockerell, Theodore Dru Alison

cookei, *Endodonta*

Cooke, Charles Montague, Jr.

acuminata, *Amastra subrostrata alexandri*, *Gulickia anceyana*, *Leptachatina annosa*, *Amastra pachystoma attenuata*, *Leptachatina baldwiniana*, *Lyropupa rhabdota brevis*, *Leptachatina pachystoma capitosa*, *Leptachatina concolor*, *Leptachatina cylindrella*, *Leptachatina pachystoma delicata*, *Amastra dulcis*, *Leptachatina emortua*, *Amastra flavescens fastigata*, *Amastra rugulosa flavida*, *Auriculella fragosa*, *Amastra fulgida*, *Leptachatina gentilis*, *Amastra conica glossema*, *Carelia haena*, *Laxisuccinea haupucensis*, *Godwinia illimis*, *Leptachatina inopinata*, *Amastra isenbergi*, *Carelia dolei kalalaensis*, *Carelia knudsenii*, *Leptachatina kuhnsi*, *Amastra laevigata*, *Leptachatina lanaiensis*, *Auriculella lanaiensis*, *Leptachatina lanaiensis*, *Lyropupa rhabdota lepida*, *Leptachatina longiuscula*, *Leptachatina meineckei*, *Amastra anthonii micra*, *Leptachatina brevicula molokaiensis*, *Leptachatina montana*, *Auriculella morbida*, *Leptachatina nannodes*, *Amastra occidentalis*, *Leptachatina nitida olivacea*, *Auriculella ovatula*, *Amastra pagodula*, *Amastra paulula*, *Amastra perversa*, *Auriculella pilsbrii*, *Leptachatina pilsbrii*, *Tornatellides pluscula*, *Amastra umbilicata problematica*, *Amastra pulchra*, *Leptachatina pupoidea*, *Leptachatina serrula*, *Auriculella straminea*, *Auriculella suboxata*, *Leptachatina tenebrosa*, *Carelia thaamumi*, *Carelia paradoxa*

thaamumi, *Leptachatina varia*, *Leptachatina vetuscula*, *Amastra uniplicata*

Cooke and Kondo

evelynae, *Carelia magnapustulata*, *Carelia paradoxa moloaensis*, *Carelia olivacea neckeri*, *Tornatellides perantiqua*, *Partulina dubia tsunami*, *Carelia pilsbrii*

Cooke and Pilsbry

anceyana, *Lyropupa anceyana*, *Nesopupa angusta*, *Nesopupa newcombi antiqua*, *Lyropupa attenuatus*, *Tornatellides boettgeri*, *Pronesopupa brunneus*, *Tornatellides cylindrata*, *Lyropupa perlonga cyrta*, *Lyropupa dispersa*, *Nesopupa dubitabilis*, *Nesopupa filocostata*, *Lyropupa perlonga fossilis*, *Lyropupa lyrata gnampita*, *Nesopupa newcombi hystericella*, *Pronesopupa illibata*, *Tornatellaria sykesii interrupta*, *Nesopupa newcombi irregularis*, *Tornatellides kaalaensis*, *Nesopupa dubitabilis kahoalacensis*, *Tornatellides lanceolata*, *Tornatellina leptospira*, *Tornatellides littoralis*, *Nesopupa micra*, *Lyropupa minuta*, *Auriculella oahuensis*, *Nesopupa oahuensis*, *Tornatellides orycta*, *Pronesopupa ovatula*, *Lyropupa rhabdota*, *Lyropupa rhadina*, *Nesopupa wesleyana ronaldi*, *Tornatellides singularis*, *Nesopupa spaldingi*, *Lyropupa spaldingi*, *Tornatellides spinigera*, *Pronesopupa boettgeri subcentralis*, *Nesopupa sykesii*, *Tornatellaria thaamumi*, *Lyropupa thaumasia*, *Lyropupa tryphera*, *Nesopupa wesleyana virgula*, *Tornatellides waianaensis*, *Nesopupa*

Gould, Addison Augustus

acuminata, *Achatinella* [*Leptachatina*]
alusta, *Achatina* [*Carelia*]

canella, *Succinea*
caperata, *Vitrina*
cepulla, *Succinea* [*Helisaga*]
cerealis, *Achatinella* [*Leptachatina*]
cicercula, *Helix* [*Corasia*]
cryptoportica, *Helix* [*Corasia*]
ellipsoidea, *Achatinella*
exaequata, *Helix* [*Microcystis*]
explanata, *Succinea* [*Omalonyx*]
fornicata, *Helix*
fuliginosa, *Achatinella*
guttula, *Achatinella* [*Leptachatina*]
lumbalis, *Succinea*
lyrata, *Pupa* [*Vertigo*]
microstoma, *Achatinella*
nacca, *Vertigo*
nucleola, *Achatinella*
pauillus, *Helix*
peponum, *Pupa* [*Toruatellina*] [*Leptinaria*]
pillulus, *Helix*
radiata, *Achatinella*
reticulata, *Physa*
rubens, *Achatinella*
rubiginosa, *Helix*
setigera, *Helix* [*Pityis*]
stellula, *Helix* [*Pityis*]
striatula, *Achatinella* [*Leptachatina*]
subtilissima, *Helix* [*Zonites*]
tenella, *Vitrina*
uberta, *Helicina*
venusta, *Succinea*
vesicalis, *Succinea*
volutata, *Linnea*

Gulick, John Thomas

albescens, *Achatinella*
ampulla, *Achatinella*
analoga, *Achatinella*
baileyana, *Achatinella*
bulbosa, *Achatinella*
caesia, *Achatinella*
carinata, *Amastra*
cercina, *Achatinella*
cognata, *Achatinella*
concidens, *Achatinella*
conformis, *Apex*
contracta, *Achatinella*
corrugata, *Achatinella*
costulata, *Achatinella*
crocea, *Achatinella*
crystallina, *Achatinella*
cucumis, *Achatinella*
decorticata, *Amastra*
delta, *Achatinella*
dimorpha, *Achatinella*
diversa, *Achatinella*
eburnea, *Achatinella*
elliptica, *Amastra*
exilis, *Achatinella*
fasciata, *Achatinella*

flavidus, *Apex*
formosa, *Achatinella*
fragilis, *Achatinella*
fumida, *Achatinella*
fuscula, *Achatinella*
glauca, *Achatinella*
granifera, *Achatinella*
gummea, *Achatinella*
herbacea, *Achatinella*
induta, *Achatinella*
juncea, *Achatinella*
lacrima, *Achatinella*
lactea, *Achatinella*
lagena, *Achatinella*
leucochila, *Achatinella*
leucophaeus, *Apex*
leucorrhaphe, *Apex*
leucozonus, *Apex*
lignaria, *Achatinella*
lilacens, *Apex*
limbata, *Achatinella*
mahogani, *Achatinella*
marginata, *Achatinella*
nympha, *Achatinella*
obliqua, *Achatinella*
octogyrata, *Achatinella*
oomorpha, *Achatinella*
papyracea, *Achatinella*
parvula, *Achatinella*
petita, *Achatinella*
pexa, *Achatinella*
phaeozona, *Achatinella*
platystyla, *Achatinella*
plumata, *Achatinella*
plumbea, *Achatinella*
polymorpha, *Apex*
pyramidalis, *Achatinella*
resinula, *Achatinella*
rotunda, *Achatinella*
rubida, *Amastra*
rustica, *Amastra*
saxatilis, *Achatinella*
scitula, *Achatinella*
spadicea, *Achatinella*
stiria, *Achatinella*
striatella, *Achatinella*
subula, *Achatinella*
talpina, *Achatinella*
tenuilabris, *Amastra*
terebialis, *Achatinella*
torrida, *Achatinella*
trilineata, *Achatinella*
triticea, *Achatinella*
tuberans, *Apex*
tumefactus, *Apex*
turbiniiformis, *Apex*
turrita, *Achatinella*
undosa, *Achatinella*
ustulata, *Achatinella*
varia, *Achatinella*
versicolor, *Apex*

versipellis, *Achatinella*
virens, *Achatinella*
vitreaola, *Achatinella*
zonata, *Achatinella*

Hartman, William Dell

nattii 'Baldwin,' *Achatinella*

Hyatt, Alpheus

abberans, *Amastra* bigener
bigener, *Amastra affinis*
cindrella, *Amastra affinis*
rigida, *Carelia*
rubinia, *Amastra rubens*
subassimilis, *Amastra assimilis*

Hyatt and Pilsbry

borcherdingi, *Amastra*
hawaiiensis, *Amastra*
interjecta, *Amastra soror*
johnsoni, *Amastra*
media, *Amastra textilis*
orientalis, *Amastra reticulata*
semivestita, *Laminella venusta*
subcornea, *Amastra*
subcrassilabris, *Amastra*
subobscura, *Amastra*
subpolita, *Partulina*
subpulla, *Amastra affinis*
subsoror, *Amastra*

Jay, John Clarkson

bicolor, *Achatina*

Kondo, Yoshio

See under: Cooke and Kondo

Lea, Isaac

newcombii, *Melania*

Mighels, Jesse Wedgwood

accineta, *Achatina*
admodesta, *Pupa*
arnatus, *Bulimus*
caduca, *Succinea*
cingula, *Achatinella*
clausinus, *Bulimus*
inornata, *Achatinella*
intercarinata, *Helix*
jugosa, *Helix*
laciniosa, *Helicina*
mustelina, *Achatinella*
mubilosa, *Achatinella*
patula, *Succinea*
pieta, *Achatinella*
porrecta, *Paludina*
producta, *Physa*
punicatus, *Bulimus*

rotelloidea, *Helicina*
scutibus, *Bulimus*
subrutilla, *Helix*
tiara, *Helix*
turricula, *Achatina*
umbilicata, *Physa*
venusta, *Achatinella*
vestita, *Achatinella*
virgulata, *Partula*
viridans, *Achatinella*

Neal, Marie Catharine

globuloidea, *Pleuropoma laciniosa*
spaldingi, *Pleuropoma laciniosa*

Newcomb, Wesley

acuta, *Achatinella*
adamsi, *Achatinella*
affinis, *Achatinella*
agglutinans, *Achatinella obesa*
albolabris, *Achatinella*
alexandri, *Achatinella*
ampla, *Achatinella*
anthonii, *Achatinella*
aphustre, *Achatinella*
assimilis, *Achatinella*
baldwini, *Achatinella*
biplicata, *Achatinella*
buddii, *Achatinella*
casta, *Achatinella*
cestus, *Achatinella*
concinna, *Achatinella*
cornea, *Achatinella*
crassa, *Achatinella*
crassilabrum, *Achatinella*
cumingi, *Achatinella*
curta, *Achatinella*
cylindrica, *Achatinella*
decipiens, *Achatinella*
dubia, *Achatinella*
duightii, *Achatinella*
elegans, *Achatinella*
elongata, *Achatinella*
emersonii, *Achatinella*
flavescens, *Achatinella*
fulgens, *Achatinella*
fumosa, *Achatinella*
fusca, *Achatinella*
fusoidea, *Achatinella*
germana, *Achatinella*
gigantea, *Achatinella*
glabra, *Achatinella*
gouldi, *Achatinella*
grana, *Achatinella*
grisea, *Achatinella*
helena, *Achatinella*
humilis, *Achatinella*
hybrida, *Achatinella*
intermedia, *Achatinella*
johnsoni, *Achatinella*

kauaiensis, *Achatinella*
labiata, *Achatinella*
lineolata, *Achatinella*
mastersi, *Achatinella*
mauiensis, *Achatinella*
melanosis, *Achatinella*
melanostoma, *Achatinella*
moesta, *Achatinella*
micronata, *Achatinella*
multilineata, *Achatinella*
nigra, *Achatinella*
nitida, *Achatinella*
nivosa, *Achatinella*
obesa, *Achatinella*
obscura, *Achatinella*
ornata, *Achatinella*
ovata, *Achatinella*
petricola, *Achatinella*
pfeifferi, *Achatinella*
physa, *Achatinella*
polita, *Achatinella*
porcellana, *Achatinella*
porphyrea, *Achatinella*
pupoidea, *Achatinella*
pusilla, *Achatinella*
recta, *Achatinella*
redfieldi, *Achatinella*
remyi, *Achatinella*
reticulata, *Achatinella*
rubiginosa, *Achatinella*
rufa, *Achatinella*
rugosa, *Achatinella*
rutila, *Achatinella*
sanguinea, *Achatinella*
semicarinata, *Achatinella*
solitaria, *Achatinella*
sordida, *Achatinella*
soror, *Achatinella*
splendida, *Achatinella*
striata, *Tornatellina*
subvirens, *Achatinella*
succincta, *Achatinella*
swiftii, *Achatinella*
terebra, *Achatinella*
tessellata, *Achatinella*
tetrao, *Achatinella*
turgida, *Achatinella*
undulata, *Achatinella*
variabilis, *Achatinella*
venulata, *Achatinella*
violacea, *Achatinella*
vitrea, *Achatinella*
zebra, *Achatinella*

Pease, William Harper

ambigua, *Limnaea*
ambusta, *Auriculella*
angulata, *Carelia*
adusta, *Leptachatina*
antiqua, *Leptachatina*
bacca, *Vertigo*

balteata, *Leptachatina*
brevicula, *Heliceter*
capillata, *Helix*
compacta, *Heliceter*
compacta, *Limnaea*
compta, *Heliceter*
contigua, *Melania*
costata, *Vertigo*
costulosa, *Leptachatina*
costulosa, *Vertigo*
cylindrata, *Heliceter*
decussatula, *Helix*
dentata, *Tornatellina*
distans, *Helix*
elongata, *Succinea*
erecta, *Heliceter*
expansa, *Auriculella*
extensa, *Leptachatina*
filocostata, *Pitys*
gracilis, *Blanveria*
gracilis, *Tornatellina*
hutchinsonii, *Heliceter*
kauaiensis, *Melania*
laevis, *Leptachatina*
laminata, *Helix*
lucida, *Leptachatina*
lucidus, *Melampus*
neglecta, *Neritina*
oblonga, *Tornatellina*
olivacea, *Carelia*
pachystoma, *Heliceter*
paucicostatus, *Pithys*
perlonga, *Vertigo*
porphyrostoma, *Heliceter*
proximus, *Heliceter*
pulchra, *Auriculella*
rubella, *Succinea*
rugata, *Helix*
rugulosa, *Anastra*
semiplicata, *Melampus*
similaris, *Anastra*
rugulosa
simplex, *Leptachatina*
solida, *Anastra*
sphaerica, *Anastra*
striatula, *Vertigo*
tenebrosa, *Leptachatina*
tenuicostata, *Heliceter*
triplicata, *Auriculella*
turgidula, *Leptachatina*
turgidula, *Limnaea*
uniplicata, *Auriculella*
variabilis, *Carelia*
viridis, *Carelia*
variabilis

Pfeiffer, Ludwig

apicata 'Newcomb,' *Achatinella*
bicolor 'Gulick,' *Achatinella*
citrina 'Mighels,' *Achatinella*
cumingiana, *Spiraxis*
hystrix 'Mighels,' *Helix*
maniensis 'Newcomb,' *Achatinella*

plicata 'Mighels,' *Achatinella*
pyramis, *Achatinella*

Pilsbry, Henry Augustus

abavus, *Amastra*
accumulator, *Amastra*
balduwiniana, *Amastra*
cookei, *Leptachatina*
honomuniensis, *Neuwombia cinnamomea*
hyattiana, *Carelia*
hyperleuca, *Carelia bicolor*
kulusi, *Partulina*
litus, *Pterodiscus alatus*
longior, *Partulina terebra*
nakawaoensis, *Amastra*
sykesi, *Amastra*
thaanuni, *Pterodiscus*
thaanuniana, *Partulina*
wailaueensis, *Amastra violacea*
wheatleyana, *Achatinella elegans*

Pilsbry and Cooke

acicula, *Tornatellides perkinsi*
alpha, *Helicina laciniosa*
ancejanum, *Elasmus*
arenarum, *Amastra umbilicata*
aurantium, *Laminella gravida*
aurora, *Amastra obesa*
auwahiensis, *Amastra subsoror*
avus, *Leptachatina oryza*
balteata, *Partulina helena*
berniceia, *Helicina*
beta, *Helicina laciniosa*
cacuminis, *Auriculella diaphana*
candida, *Partulina horneri*
decorata, *Neuwombia cinnamomea*
delta, *Helicina laciniosa*
dextroversa, *Achatinella sowerbyana*
disjuncta, *Nesopupa newcombi*
diplocincta, *Achatinella apexfulva*
eos, *Amastra*
errans, *Partulina physa*
fuscospira, *Partulina horneri*
fuscozonata, *Partulina horneri*
ganma, *Helicina laciniosa*
gouldi, *Lyropupa lyrata*
gulickiana, *Achatinella lehuensis*
interrupta, *Lyropupa perlonga*
juddii, *Helicina*
kahakuloensis, *Amastra balduwiniana*
kahoolavensis, *Lyropupa*
kahukuensis, *Tornatellides*
kailuanus, *Tornatellides procerulus*
kalamauensis, *Amastra*
kalihiensis, *Laminella gravida*
kaluahacola, *Partulina virgulata*
kamalocensis, *Laminella depicta*
kamalocensis, *Partulina redfieldii*
kauensis, *Amastra melanosis*

kauakakaiensis, *Amastra*
kona, *Lyropupa ovatula*
konana, *Partulina physa*
lahainana, *Amastra*
lanaiensis, *Nesopupa baldwini*
leucoderma, *Laminella sanguinea*
metamorphia, *Amastra*
moomomiensis, *Amastra humilis*
multistrigata, *Partulina theodorei*
neumatoglypta, *Leptachatina*
nubigena, *Amastra*
oahuensis, *Helicina*
occidentalis, *Partulina dwightii*
pellucida, *Auriculella auricula*
percostata, *Lyropupa micra*
puukolekolensis, *Lyropupa kahoolavensis*
roseoplica, *Achatinella sowerbyana*
sepulta, *Amastra humilis*
simulator, *Achatinella cestus*
subpolita, [*Partulina*]
thaanuni [formerly *thaanuni*], *Achatinella*
thwingi, *Partulina*
ualapuensis, *Neuwombia cinnamomea*
ultima, *Amastra*
uainamaensis, *Laminella gravida*
wailaueensis, *Neuwombia canaliculata*

Reeve, Lovell Augustus

abbreviata, *Achatinella*
castanea, *Achatinella*
cochlea, *Achatina*
prasinus, *Achatinella*
producta, *Achatinella*
vittata, *Achatinella*

Smith, Edgar Albert

albospira, *Apex*
augusta, *Achatinella*
brunnea, *Auriculella*
concolor, *Achatinella*
conicospira, *Amastra*
conifera, *Amastra*
consanguinea, *Achatinella*
crassula, *Auriculella*
diaphana, *Auriculella*
fuscobasis, *Bulinella*
fuscolineata, *Achatinella*
fuscozona, *Achatinella*
gulickii, *Apex*
lehuensis, *Achatinella*
malleata, *Amastra*
nigrolabris, *Amastra*
nucula, *Amastra*
perpusilla, *Auriculella*
pygmaea, *Achatinella*
tenuis, *Auriculella*
tricolor, *Achatinella*

Sykes, Ernest Ruthven

arborea, *Leptachatina*
henshawi, *Leptachatina*
perkinsi, *Newcombia*

Welch, d'Alte Aldrich

albalabia, *Achatinella bulimoides*
arnemani, *Achatinella bulimoides*
caesiapicta, *Achatinella bulimoides*
kaipapauensis, *Achatinella bulimoides*
oswaldi, *Achatinella bulimoides*
rosealimbata, *Achatinella bulimoides*

LITERATURE CITED

- ABBOTT, R. T., AND H. B. BAKER. 1970. D'Alte Aldrich Welch. The Nautilus, **83**(4): 146 (April).
- ADAMS, C. B. 1851. Descriptions of new species of *Partula* and *Achatinella*. Contributions to Conchology, **8**: 125–128 (March). Also published in Annals of the Lyceum of Natural History of New York, **5**: 41–44 (April).
- AMUNDSON, R. 1994. John T. Gulick and the active organism. Adaptation, isolation, and the politics of evolution, pp. 110–139. In R. MacLeod and P. F. Rehbock (eds.), Darwin's Laboratory. Honolulu: Univ. Hawaii Press.
- ANCEY, C.-M. F. 1889. Étude sur la faune malacologique des Iles Sandwich. Bulletin de la Société Malacologique de France, **6**: 171–258 (June).
- . 1890. Mollusques nouveaux de l'archipel d'Hawaï, de Madagascar, et de l'Afrique équatoriale. Bulletin de la Société Malacologique de France, **7**: 339–347 (June).
- . 1899. Some notes on the non-marine molluscan fauna of the Hawaiian Islands, with diagnoses of new species. Proceedings of the Malacological Society of London, **6**(5): 268–274, pls. 12, 13 (July).
- . 1904a [1903]. Études sur la Faune malacologique des Iles Sandwich (5e partie). Additions aux espèces déjà signalées comme appartenant au genre *Tornatellina*. Journal de Conchyliologie, **51**(4): 295–307, pl. 12 (April 28, 1904, [so stated] **52**(1): back wrapper).
- . 1904b. On some non-marine Hawaiian Mollusca. Proceedings of the Malacological Society of London, **6**(2): 117–128, pl. 7 (June).
- . 1904c. Report on semi-fossil land shells found in the Hamakua District, Hawaii. Journal of Malacology, **11**(3): 64–71, pl. 5 (September).
- ARMSTRONG, R. W., AND J. A. BIER (eds.). 1983. Atlas of Hawaii, 2nd ed. Honolulu: Univ. Hawaii Press. 238 pp.
- AUSTIN, W. 1921. James Walker Austin. Norwood, Massachusetts: Plimpton Press. Privately printed. ix + 227 pp.
- BAKER, H. B. 1940. Zonitid snails from Pacific Islands Part 2. 2. Hawaiian genera of Microcystinae. Bernice P. Bishop Museum Bulletin, **165**: 105–201, pls. 21–42 (January).
- . 1941. Zonitid snails from Pacific Islands Parts 3 and 4. 3. Genera other than microcystinae. 4. Distribution and indexes. Bernice P. Bishop Museum Bulletin, **166**: 204–370, pls. 43–65 (February).
- . 1955. Henry Augustus Pilsbry. The Nautilus, **71**(3): 73–83, 3 portraits (January).
- . 1963. Type land snails in the Academy of Natural Sciences of Philadelphia. Part II. Land Pulmonata, exclusive of North America north of Mexico. Proceedings of the Academy of Natural Sciences of Philadelphia, **115**(8): 191–259 (November).
- . 1964. Type land snails in the Academy of Natural Sciences of Philadelphia. Part III. Limnophile and Thalassophile Pulmonata. Part IV. Land and fresh-water Prosobranchia. Proceedings of the Academy of Natural Sciences of Philadelphia, **116**(4): 149–193 (October).
- BALDWIN, D. D. [no date]. List 1 of Hawaiian land shells for sale by E. [sic] D. Baldwin . . . 4 pp.
- . 1857. Land shells of the Hawaiian Islands. Hawaiian Annual, **1887**: 55–63.
- . 1893. Catalogue. Land and Fresh Water Shells of the Hawaiian Islands. Honolulu: Press Publishing. 25 pp. (May).
- . 1895. Descriptions of new species of Achatinellidae from the Hawaiian Islands. Proceedings of the Academy of Natural Sciences of Philadelphia, **47**: 214–236, pls. 10, 11 (July).
- . 1896. Descriptions of two new species of Achatinellidae from the Hawaiian Islands. The Nautilus, **10**(3): 31–32 (July).
- . 1900. Land shell collecting on Oahu. Hawaii's Young People, **4**(8): 239–243.
- . 1903. Descriptions of new species of Achatinellidae from the Hawaiian Islands. The Nautilus, **17**(3): 34–36 (July).
- . 1906. Description of new species of Achatinellidae from the Hawaiian Islands. The Nautilus, **19**(10): 111–113 (February); (12): 135–138 (April).
- . 1908. Descriptions of new species of Achatinellidae, from the Hawaiian Islands. The Nautilus, **22**(7): 67–69 (November).
- BRIGHAM, W. T. 1909. Director's Report for 1908. Occasional Papers of the Bernice Pauahi Bishop Museum of Polynesian Ethnology and Natural History, **4**(3): 177–198 [1–22] (July).
- BROOKS, W. K. 1909. Biographical memoir of Alpheus Hyatt. Biographical memoirs. National Academy of Sciences, **6**: 311–325.
- CARSON, H. L. 1987. The process whereby species originate. BioScience, **37**(10): 715–720.
- CAUM, E. L. 1925. Check list of the Hawaiian land and fresh water Mollusca. Bernice P. Bishop Museum Bulletin, **56**: 1–79.
- CLARKE, A. H., JR. 1958. Status of Newcomb's acha-

- tinellid names. *The Nautilus*, **71**(4): 148-151 (April).
- . 1960. Catalogue and illustrations of mollusks described by Wesley Newcomb, with a biographical résumé. *Bulletins of American Paleontology*, **41**(188): 135-160, pl. 17 (June).
- CLENCH, W. J. 1959. John T. Gulick's Hawaiian land shells. *The Nautilus*, **72**(3): 95-98 (January).
- . 1975. A bibliography of William Harper Pease, Malacologist of Polynesia. Part 2. *In* E. A. Kay and W. J. Clench (eds.), *Catalogue of Species and Bibliography of William Harper Pease*. Neumoria. Occasional Papers of the Delaware Museum of Natural History **16**: 22-50 (December).
- CLENCH, W. J. AND R. D. TURNER. 1950. The western Atlantic marine mollusks described by C.B. Adams. Occasional Papers on Mollusks, **1**(15): 233-403, pls. 29-49.
- . 1962. New names introduced by H.A. Pilsbry in the Mollusca and Crustacea. *Academy of Natural Sciences of Philadelphia. Special Publication*, **14**: 1-218.
- COCKERELL, T. D. A. 1933. A new *Endodonta* from the Hawaiian Islands. *The Nautilus*, **47**(2): 55 (October).
- COOKE, C. M., JR. 1907. Dr. Cooke's report. Occasional Papers of the Bernice Pauahi Bishop Museum, **2**(5): 11-16 (May).
- . 1908a. Three species of *Amastra* from Oahu. Occasional Papers of the Bernice Pauahi Bishop Museum, **3**(2): 213-216 (July).
- . 1908b. *Amastra (Laminella) kuhusi*. Occasional Papers of the Bernice Pauahi Bishop Museum, **3**(2): 217-218 (July).
- . 1910-11. *Leptachatina*. *Manual of Conchology*, (2) **21**: 1-64, pls. 1-9 (July 1910); 65-92, pls. 10-13 (March 1911).
- . 1914. Description of a new species of *Tornatellides*. *The Nautilus*, **28**(7): 79-80 (November).
- . 1917. Some new species of *Amastra*. Occasional Papers of the Bernice Pauahi Bishop Museum, **3**(3): 221-250, pls. 5-7 (January).
- . 1918. *Leptachatina* and *Tornatellinidae* in the B.P. Bishop Museum. Occasional Papers of the Bernice Pauahi Bishop Museum **6**(5): 285-300 [also repaged 39-54] (October).
- . 1921. Notes on Hawaiian Zonitidae and Succineidae. Occasional Papers of the Bernice Pauahi Bishop Museum, **7**(12): 263-277, pls. 24, 25.
- . 1931. The land snail genus *Carelia*. *Bernice P. Bishop Museum Bulletin*, **55**: 1-97, errata sheet, pls. 1-18 (August).
- . 1933. New species of Amastridae. *Bernice P. Bishop Museum Occasional Papers*, **10**(6): 1-27, pls. 1, 2 (March).
- COOKE, C. M., JR., AND Y. KONDO. 1952. New fossil forms of *Carelia* and *Partulina* (Pulmonata) from Hawaiian Islands. Occasional Papers of the Bernice Pauahi Bishop Museum, **20**(20): 329-346 (June).
- . 1960 [1961]. Revision of Tornatellinidae and Achatinellidae (Gastropoda, Pulmonata). *Bernice P. Bishop Museum Bulletin* **22**: 1-303 (December) [15 February. "Received by the Bishop Museum Library on this date. As there had been no earlier receipt date found, it is most probable that there was a delay in publication after the printed date of '1960' and that this volume was in fact published in 1961." *teste* Evenhuis, N. E., and R. H. Cowie (1995 *in* R. H. Cowie et al., p. 210)].
- COOKE, C. M., JR., AND H. A. PILSBRY. 1920. Hawaiian Nesopillid groups. *Manual of Conchology*, (2) **25**: 278-232, pls. 27-29 (April).
- COULTER, J. W. 1935. A gazetteer of the territory of Hawaii. University of Hawaii Research Publications, **11**: 1-241.
- COWIE, R. H. 1993. Yoshio Kondo: Bibliography and list of taxa. *Bishop Museum Occasional Papers*, **32**: 1-10.
- . 1995. Variation in species diversity and shell shape in Hawaiian land snails; in situ speciation and ecological relationships. *Evolution*, **49**(6): 1191-1202 (December).
- COWIE, R. H., N. L. EVENHUIS, AND C. C. CHRISTENSEN. 1995. Catalog of the native land and freshwater Mollusca of the Hawaiian Islands. Leiden: Backhuys Publishers. vi + 248 pp.
- COWIE, R. H., G. M. NISHIDA, Y. BASSET, AND S. M. GON III. 1995. Patterns of land snail distribution in a montane habitat on the island of Hawaii. *Malacologia*, **36**(1-2): 155-169.
- CROSSE, H. 1876. Note complémentaire sur quelques espèces de Mollusques terrestres habitant l'île Kauai (îles Hawaii). *Journal de Conchyliologie*, **24**(1): 95-99, pls. 1, 3, 4 (January [April, *teste* Fischer-Piette. 1937: 90]).
- DODGE, E. S. 1965. *New England and the South Seas*. Cambridge, Massachusetts: Harvard Univ. Press. xv + 216 pp.
- DOYLE, S. J. 1965. Marie C. Neal. *The Conch Shell*. *Bishop Museum News*, **3**(2): 22-23, portrait (Summer).
- EMERSON, O. P. 1928. *Pioneer days in Hawaii*. Garden City. New York: Doubleday, Doran & Co. xiii + 257 pp.
- FISCHER, H. 1908. *Nécrologie*. C.F. Ancey. *Journal de Conchyliologie*, **55**(4): 404-412, portrait (March).
- FISCHER-PIETTE, E. 1937. Dates de publication du "Journal de Conchyliologie," de 1861-1900. *Journal de Conchyliologie*, **35**(1): 88-92 (April).
- . 1950. Liste des types décrits dans le *Journal de Conchyliologie* et conservés dans la collection de ce journal. *Journal de Conchyliologie*, **90**(1): 8-23, pl. 1 (January); **90**(2): 65-82, pls. 2-4 (April).
- GÉRÉT, P. 1909. Liste des genres, sections et espèces décrits par C. F. Ancey avec leurs références or-

- iginales. *Journal de Conchyliologie*, **57**(1): 1–38 (April).
- GOULD, A. A. 1843. [Conclusion of "Monographs of the Pupadae [sic] of the United States" . . . descriptions of two foreign species]. *Proceedings of the Boston Society of Natural History*, **1**: 138–139 (October).
- . 1844. [Two new species of *Helix* from the Sandwich Islands]. *Proceedings of the Boston Society of Natural History*, **1**: 174 (May).
- . 1845. [Twelve new species of land shells from the Sandwich Islands]. *Proceedings of the Boston Society of Natural History*, **2**: 26–28 (January).
- . 1846–47. [Shells collected by the United States Exploring Expedition under the command of Charles Wilkes]. *Proceedings of the Boston Society of Natural History*, **2**: 170–173 (September); **177**, 181–184, 186 (November, both 1846); **202** (March); **211**, 215 (June, both 1847).
- . 1852–56 [1861]. *Mollusca and shells. In United States Exploring Expedition during the Years 1839–1842 under the Command of Charles Wilkes, U.S.N.* Boston. **12**: xv + 510 pp.; Addenda and Corrigenda, Philadelphia, [1856]: *499–*509; Atlas, Philadelphia, 1856 [1861] 16 pp., 52 hand-colored plates, folio.
- . 1862a. Descriptions of new genera and species of shells. *Proceedings of the Boston Society of Natural History*, **8**: 280–284 (February).
- . 1862b. *Otia Conchologica: Descriptions of shells and mollusks from 1839 to 1862.* Boston: Gould and Lincoln. [4] + 256 pp.
- GOULD, S. J. 1972. Hyatt, Alpheus, pp. 613–614. *In Dictionary of Scientific Biography*, Vol. 6. New York: Charles Scribner's Sons.
- GULICK, A. 1932. *Evolutionist and Missionary John Thomas Gulick.* Chicago, Illinois: Univ. Chicago Press. xvi + 556 pp., 41 figs., 4 pls., 3 colored.
- GULICK, J. T. [no date]. *Catalogue of Shells of the Genus Achatinella Now Ready for Distribution of John T. Gulick.* 2 pp.
- . 1856, 1858. Descriptions of new species of *Achatinella* from the Hawaiian Islands. *Annals of the Lyceum of Natural History of New York*, **6**(6–7): 173–230, pls. 6, 7 (December 1856); (8–9): 231–255, pl. 8 (February 1858).
- . 1872. On the variation of species related to their geographical distribution, illustrated by the *Achatinellinae*. *Nature*, **6**: 222–224 (July).
- . 1873. On the classification of the *Achatinellinae*. *Proceedings of the Zoological Society of London for 1873*: 89–91 (June).
- . 1888 [1889]. Divergent evolution through cumulative segregation. *Journal of the Linnean Society of London, Zoology*, **20**: 189–274, 312–380 (1889; August).
- . 1905. *Evolution, racial and habitual.* Washington: Carnegie Institution of Washington Publication, **25**: xii + 269, 3 pls. (September).
- . 1908. False biology and fatalism. *Bibliotheca Sacra*, **65**: 358–367.
- GULICK, J. T., AND E. A. SMITH. 1873. Descriptions of new species of *Achatinellinae*. *Proceedings of the Zoological Society of London for 1873*: 73–89, pls. 9, 10 (June).
- HARTMAN, W. D. 1888. A bibliographic and synonymic catalogue of the genus *Achatinella*. *Proceedings of the Academy of Natural Sciences of Philadelphia*, **40**: 16–56, pl. 1 (April).
- HARTT, C. E., AND B. PETERSON. 1984. Neal, Marie Catharine, pp. 282–285 (portrait). *In* B. B. Peterson (ed.), *Notable Women of Hawaii*. Honolulu: Univ. Hawaii Press.
- HYATT, A. 1880. The genesis of the Tertiary species of *Planorbis* at Steinheim, pp. 1–114, pls. 1–9. *In Anniversary Memoirs of the Boston Society of Natural History*.
- . 1898. Report of the curator: Mollusca. *Proceedings of the Boston Society of Natural History*, **28**(11): 283–284 (July).
- . 1911. Classified list of Amastrae, and zoogeographic deductions, from Hyatt's MSS. *Manual of Conchology*, (2) **21**: 358–368 (December).
- . 1914. Genealogy and migrations of the *Achatinellidae* in the Hawaiian Islands. *Manual of Conchology*, (2) **22**: 370–399 (May).
- HYATT, A., AND H. A. PILSBRY. 1911. *Achatinellidae (Amastrinae)*. *Manual of Conchology*, (2) **21**: 93–128, pls. 14–23 (March 14); 129–240, pls. 24–36 (August 23); 241–387, pls. 37–56 (December).
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE. 1985. *International Code of Zoological Nomenclature*. Third edition adopted by the XX General Assembly of the International Union of Biological Sciences. London: International Trust for Zoological Nomenclature; Berkeley and Los Angeles: University of California Press. xx + 338 pp. [February].
- JAMES, M. J. 1996. Catalog of the native land and freshwater molluscs of the Hawaiian Islands [review]. *The Veliger*, **39**(1): 99 (January).
- JAY, J. C. 1835. *A Catalogue of Recent Shells in the Cabinet of John C. Jay, M.D.*, 1st ed. New York. 55 pp. (August).
- . 1836. *A Catalogue of Recent Shells, with Descriptions of the New or Rare Species, in the Collection of John C. Jay, M.D.*, 2nd ed. New York. 87 pp., 4 pls.
- . 1839. *A Catalogue of the Shells . . . Contained in the Collection of John C. Jay, M.D.*, 3rd ed. New York: Wiley and Putnam. 126 pp., 10 pls.
- . 1850. *A Catalogue of the Shells, Arranged According to the Lamarckian System . . . Contained in the collection of John C. Jay, M.D.*, 4th ed. 460 pp. (1852, Supplement, pp. 461–479).
- JOHNSON, R. I. 1949. Jesse Wedgwood Mighels with a bibliography and a catalogue of his species. *Occasional Papers on Mollusks*, **1**(14): 213–231, pl. 27 (March).

- . 1955. Supplement to Jesse Wedgwood Michels. Occasional Papers on Mollusks, **1**(18): 447, pl. 58 (August).
- . 1964. The Recent Mollusca of Augustus Addison Gould. United States National Museum, Bulletin, **239**: 1–182, 45 pls. (July).
- . 1989. Molluscan taxa of Addison Emery Verrill and Katharine Jeannette Bush, including those introduced by Sanderson Smith and Alpheus Hyatt Verrill. Occasional Papers on Mollusks, **5**(67): 1–143, 18 pls.
- . 1994. Types of shelled Indo-Pacific mollusks described by William Harper Pease (1824–71). Bulletin of the Museum of Comparative Zoology, **154**(1): 1–61, 10 pls. (December).
- JOHNSON, R. L. AND K. J. BOSS. 1972. The freshwater, brackish and non-Jamaican land mollusks described by C. B. Adams. Occasional Papers on Mollusks, **3**(43): 193–234, pls. 36–42 (June).
- KASER, D. 1957. Messrs. Carey & Lea of Philadelphia. A Study in the History of the Booktrade. Philadelphia: Univ. Pennsylvania Press. 182 pp.
- KAY, E. A. 1965. Marine molluscs in the Cuming collection, British Museum (Natural History) described by William Harper Pease. Bulletin of the British Museum (Natural History) Zoology, Supplement, **1**: 1–96, 14 pls. (December).
- . 1975. A biography of William Harper Pease, part 1, pp. 1–21. In E. A. Kay and W. J. Clench, A Bibliography of William Harper Pease, Malacologist of Polynesia. Neumoria, Occasional Papers of the Delaware Museum of Natural History **16**: 1–50 (December).
- KONDO, Y. 1954. The Meadows collection of Achatinellidae. The Nautilus, **68**(2): 50–51 (October).
- KONDO, Y., AND W. J. CLENCH. 1952. Charles Montague Cooke, Jr., a bio-bibliography. Bernice P. Bishop Museum Special Publications, **42**: 1–56 (October).
- LEA, I. 1856. Description of fifteen new species of exotic Melaniana. Proceedings of the Academy of Natural Sciences of Philadelphia, **8**: 144–145 (October).
- . 1866. New Unionidae, Melanidae, etc., chiefly of the United States. Journal of the Academy of Natural Sciences of Philadelphia, (2) **6**: 113–157, pls. 22–24 (September).
- . 1867. Observations on the genus *Unio*. Philadelphia, **11**: 1–146, pls. 1–24.
- LEY, W. 1965. Dawn of Zoology. Englewood Cliffs, New Jersey: Prentice-Hall. viii + 280 pp.
- MAYR, E. 1942. Systematics and the Origin of Species. New York: Columbia Univ. Press. 334 pp.
- . 1980. Systematics. The role of systematics in the evolutionary synthesis, pp. 123–136. In E. Mayr and W. B. Provine (eds.), *In The Evolutionary Synthesis*. Cambridge, Massachusetts: Harvard Univ. Press. xi + 487 pp.
- . 1982. *The Growth of Biological Thought. Diversity, Evolution, Inheritance*. Cambridge, Massachusetts: Harvard Univ. Press. 974 pp.
- MAYR, E., AND P. D. ASHLOCK. 1991. *Principles of Systematic Zoology*. New York: McGraw-Hill. xx + 475 pp.
- MELVILL, J. C. 1900. Lovell Reeve: A brief sketch of his life and career. . . . Journal of Conchology, **9**: 344–352 (July); 353–357 (October).
- . 1917. Obituary notice: Edgar Albert Smith. I.S.O. Journal of Conchology, **15**(5): 150–153 (January).
- MICHELS, J. W. 1845. Descriptions of shells from the Sandwich Islands and other localities. Proceedings of the Boston Society of Natural History, **2**: 18–25 (January).
- MOTTELER, L. S. 1986. Pacific Island names. Bishop Museum Miscellaneous Publications, **34**: [vii] + 91 pp.
- NEAL, M. C. 1934. Hawaiian Helicinidae. Bernice P. Bishop Museum Bulletin, **125**: 1–102.
- NEWCOMB, W. 1853. Descriptions of new species of *Achatinella* from the Sandwich Islands. Annals of the Lyceum of Natural History of New York, **6**(1–2): 18–30 (May).
- . 1854a. Description of seventy-nine new species of *Achatinella* (Swains.), a genus of pulmoniferous mollusks, in the collection of Hugh Cuming, Esq. [preprint]. Proceedings of the Zoological Society of London, December 13, 1853, pp. 1–31, pls. 22–24, colored (before June 4).
- . 1854b. Descriptions of seventy-nine new species of *Achatinella* (Swains.), a genus of pulmoniferous mollusks, in the collection of Hugh Cuming, Esq. Proceedings of the Zoological Society of London, **21**: 128–157, pls. 22–24, colored (November 14).
- . 1855a. [Dr. Gould presented a paper by Dr. W. Newcomb, of Albany, describing five species of *Achatinella*.] Proceedings of the Boston Society of Natural History, **5**: 218–220 (September).
- . 1855b. Descriptions of new species of *Achatinella*. Annals of the Lyceum of Natural History of New York, **6**: 142–147 (October).
- . 1858. Synopsis of the genus *Achatinella*. Annals of the Lyceum of Natural History of New York, **6**(10–13): 303–336 (September).
- . 1860. Descriptions of new species of the genera *Achatinella* and *Pupa*. Annals of the Lyceum of Natural History of New York, **7**: 145–147 (April).
- . 1861. [Descriptions of new shells]. Proceedings of the California Academy of Natural Sciences, **2**: 91–94 (February).
- . 1866. Descriptions of Achatinellae. American Journal of Conchology, **2**(3): 209–217, pl. 13 (July).
- PEASE, W. H. 1860. Descriptions of new species of Mollusca from the Sandwich Islands, part II. Proceedings of the Zoological Society of London, **28**: 141–148 (February–May).
- . 1862. Descriptions of two new species of *Helicter* (*Achatinella*, Swains.), from the Sandwich Islands, with a history of the genus. Pro-

- ceedings of the Zoological Society of London for 1862: 3-7 (June).
- . 1865. Descriptions of new species of land shells from the Islands of the central Pacific. Proceedings of the Zoological Society of London for 1864: 668-676 [p. 676 misprinted as 766] (May).
- . 1866. Descriptions of new species of land shells, inhabiting Polynesia. American Journal of Conchology, 2(4): 289-293 (October).
- . 1865. Descriptions d'espèces nouvelles d'*Auriculella*, provenant des îles Hawaï. Journal de Conchyliologie, 16(4): 342-347, pl. 14 (October).
- . 1869a. Descriptions of new species of marine Gasteropoda inhabiting Polynesia. American Journal of Conchology, 5(2): 64-79, pl. 8 (October).
- . 1869b. Description d'espèces nouvelles du genre *Helicter*, habitant les îles Hawaï. Journal de Conchyliologie, 17(2): 167-176 (April).
- . 1870a. Observations sur les espèces de coquilles terrestres qui habitent [sic] l'île Kauai (îles Hawaï) accompagnées de descriptions d'espèces nouvelles. Journal de Conchyliologie, 18(1): 87-97 (January).
- . 1870b. On the classification of the *Helicterinae*. Proceedings of the Zoological Society of London for 1869: 644-652 (April 30).
- . 1870c. Remarks on the species of *Melania* and *Limnaea* inhabiting the Hawaiian Islands, with descriptions of new species. American Journal of Conchology, 6(1): 4-7, pl. 3 (July).
- . 1871a. Remarques sur certaines espèces de coquilles terrestres, habitant la Polynésie, et description d'espèces nouvelles. Journal de Conchyliologie, 18(4) 393-403 (October 1, 1870). Published January 22, 1871, teste Fischer-Piette (1937: 89). Winckworth (1936: 155) had previously given the date as 1870 based on Martens (1871, Zoological Record: Mollusca, p. 121), who had been assured by the editors that both Numbers 3 and 4 of Volume 18 had been published in 1870, their delivery being delayed in Berlin by the Siege of Paris (September 19, 1870 to January 28, 1871) during the Franco-Prussian War.
- . 1871b. Catalogue of the land-shells inhabiting Polynesia, with remarks on their synonymy, distribution, and variation, and descriptions of new genera and species. Proceedings of the Zoological Society of London 1871: 449-477 (August).
- PFEIFFER, L. 1846a. Remarks on the genus *Achatinella* Swainson, and descriptions of six new species from Mr. Cuming's collection. Proceedings of the Zoological Society of London, 13: 89-90 (January).
- . 1846b. Symbolae ad Historiam Heliceorum. Sectio Tertia. Cassellis: T. Fischer. 100 pp. (October).
- . 1848, 1852a. Monographia heliceorum viventium . . . Lipsiae: F. A. Brockhaus. Vol. 2, 594 pp. (1848); Vol. 4, 920 pp. (1852).
- . 1852b. Die Schmirkel-schnecken (Gattung *Helix*) In Abbildungen nach der Natur mit Beschreibungen. In H. C. Küster (ed.), Systematisches Conchylien-Cabinet von Martini und Chemnitz (2). Nürnberg: Bauer & Raspe. Vol. 1, Part 12, Sec. 2, Number 109, pp. 89-136; 1850, number 100, pl. 89.
- . 1854. Skizze einer monographie der gattung *Achatinella* Swains. Malakozoolische Blätter, 1(4): 112-114 (June); (5): 115 (August).
- . 1855. Descriptions of nine new species of *Helicea* from Mr. Cuming's collection. Proceedings of the Zoological Society of London, 23: 106-108, pl. 32 (August).
- . 1856. Descriptions of sixteen new species of *Achatinella* from Mr. Cuming's collection, collected by Dr. Wesley Newcomb in the Sandwich Islands. Proceedings of the Zoological Society of London, 23: 207-210 (February).
- PILSBRY, H. A. 1899. Wm. D. Hartman, MD. The Nautilus, 13(6): 61-63, portrait (October).
- . 1909. 1910. Partulidae. Manual of Conchology (2) 20: 155-314, pls. 22-36 (September 1909); 315-336, pls. 37-43 (February 1910).
- . 1912. David Dwight Baldwin. The Nautilus, 26(7): 82-83, portrait (November).
- . 1914. A new species of *Leptachatina*. The Nautilus, 28(5): 61-62 (October).
- . 1920. Pupillidae. Manual of Conchology, (2) 26: 1-64, pls. 1-8 (December).
- PILSBRY, H. A., AND C. M. COOKE. 1908. Notes on Hawaiian land shells. Occasional Papers of the Bernice Pauahi Bishop Museum, 3(2): 199-210 (July).
- . 1912-14. *Achatinellidae*. Manual of Conchology, (2) 22: 1-64, pls. 1-12 (November 1912); pp. 65-112, pls. 13-26 (November 1913); pp. 113-176, pls. 27-39 (December 1913); pp. 177-428, pls. 40-63 (May 1914); Preface and Introduction, pp. i-viii (May 1914).
- . 1914-16. Appendix to Amastridae, Tornatellinidae. Manual of Conchology, (2) 23: 1-48, pls. 1-13 (October 1914); pp. 49-128, pls. 14-23 (August 1915); pp. 129-256, pls. 24-38 (December 1915); pp. 257-302, pls. 39-55 (February 1916).
- . 1920. *Lyropupa*. Manual of Conchology, (2) 25: 226-277, pls. 19-26. (April).
- PILSBRY, H. A., C. M. COOKE, AND M. C. NEAL. 1928. Land snails from Hawaii, Christmas Island, and Samoa. Bernice P. Bishop Museum Bulletin, 47: 1-49.
- PUKUI, M. K., AND S. H. ELBERT. 1971. Hawaiian Dictionary. Honolulu: Univ. Hawaii Press. xxxix + 402 pp.
- . 1986. Hawaiian Dictionary, rev. and enlarged ed. Honolulu: Univ. Hawaii Press. xxvi + 572 pp.
- REES, W. 1954. The shell collections of E. R. Sykes.